CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Subway, St. Louis, Mo., complete survey plan submitted, $100,000,000.

Steel Mills, Gary, Ind., U. S. Steel Corp. having preliminary plans prepared, $9,000,000.

Office, New York, N. Y., W. A. Harriman having plans prepared, $5,000,000.

Oil pipe line, Oklahoma and Texas, Prairie Pipe Line Co. making plans, $4,000,000.

Club, Chicago, Ill., Edgewater Athletic Club, prepared plans and takes bids about Oct. 1, $3,500,000.

Warehouse, Jersey City, N. J., Erie R.R. Co. plans group of warehouses $3,000,000.

Plant, Sandersville, Ga., Georgia Portland Cement Co. making plans, $3,000,000.

Paving, Corsicana, Tex., election soon, $3,000,000.

Roads and bridges, Miami Fla., Dade Co. voted bonds, $2,900,000.

Theatre, Buffalo, N. Y., Shea Amusement Co. having preliminary plans prepared, $2,500,000.

Office, Montreal, Can., Sun Life Asurance Co. takes bids this fall, $2,500,000.

Sewer, Los Angeles, Calif., voted bonds, $2,000,000.

Office, New York, N. Y., Twenty Eight East 52nd St. Corp. having plans prepared, $1,650,000.

Cold storage warehouse, Newark, N. J., Merchants Refrigerating Co., making plans, $1,500,000.

Railroad, Miss. and Ala., Meridian & Bigby R.R. Co. plans 50 mi. railroad, $1,326,000.

Grading, bridging, sewers and subway, Cincinnati, O., making plans, $1 011,025.

Hotel, Boston, Mass., Y. M. C. A. raising funds, $1,000,000.

Bids Desired

Highway and railroad bridge, Boston, Mass., Sept. 30, by Metropolitan Dist. Comn., $1,000,000.

Theatre, apartment and office, Waukegan, Ill., Sept. 20, by E. P. Steinberg, archt., $1,000,000.

Contracts

Theatre and office, Pittsburgh, Pa., Stanley Rowland Clark Corp., to W. T. Grange Co., $4,000,000.

Clinic, Rochester, Minn., Mayo Clinic to G. Schwartz & Co., $3,000,000.

Terminal, Boston, Mass., Wiggin Terminal Inc., to Hill & Woodward, $2,000,000.

Factory and power house, Charlestown, Mass., W. F. Schrafft & Sons Corp., to Turner Constr. Co., $1,500,000.

High School, Baltimore, Md., to P. C. Streett Eng. Co., $1,196,000.

Hotel, Chicago, Ill., W. Reichest, archt., to J. A. Lundstrum, $1,000,000.

Classified Index of Bids Wanted

Waterworks

Bids close		*See Eng. News-Record*
Sept. 24	Cleveland, O.	Sept. 9
Sept. 25	Point Pleasant, N. J.	Sept. 9
Sept. 27	Downers Grove, Ill.	Sept. 16
Sept. 27	Coweta, Okla.	Sept. 16
Sept. 27	Milwaukee, Wis.	Sept. 23
Sept. 27	Maple Heights (Bedford P. O.), O.	Sept. 23
Sept. 28	Franklin, La.	Sept. 16
Sept. 28	Maryville, Mo.	Sept. 23
Sept. 29	Cleveland, O.	Sept. 23
Sept. 30	West Hempstead (mail Garden City), N. Y. Adv. Sept. 16 and 23.	Sept. 16
Sept. 30	Hartford, Conn. Adv. Sept. 16 and 23.	Sept. 16
Oct. 1	Port Washington, N. Y. Adv. Sept. 23.	Sept. 23
Oct. 4	Tarentum, Pa. Adv. Sept. 23.	Sept. 23
Oct. 4	Maple Heights (Bedford P. O.), O.	Sept. 23
Oct. 5	Minneapolis, Minn.	Sept. 16
Oct. 5	Ft. Lauderdale, Fla.	Sept. 16
Oct. 5	Brackenridge, Pa.	Sept. 23
Oct. 6	Baltimore, Md.	Sept. 23
Oct. 6	Detroit, Mich. Adv. Sept. 23.	Sept. 23
Oct. 15	San Juan, Porto Rico Adv. Sept. 9 to 23.	Sept. 9
Oct. 20	Memphis, Tenn.	Sept. 16
Oct. 20	Detroit, Mich. Adv. Sept. 16 and 23.	Sept. 16
Oct. 26	St. Louis, Mo.	Sept. 16
Oct. 26	Saginaw, Mich.	Sept. 23

Sewers

Sept. 27	Gloucester, Mass.	Sept. 9
Sept. 27	Sanford, Fla.	Sept. 16
Sept. 27	Providence, R. I.	Sept. 23
Sept. 27	Maple Heights (Bedford P. O.), O.	Sept. 23
Sept. 28	Milwaukee, Wis.	Sept. 23
Sept. 28	Wallingford, Conn.	Sept. 16
Sept. 28	Boston, Mass.	Sept. 16
Sept. 28	Jamestown, N. Y.	Sept. 16
Sept. 28	Lebanon, Ill.	Sept. 23
Sept. 28	New Jersey Adv. Sept. 16 and 23.	Sept. 23
Sept. 29	Baltimore, Md.	Sept. 23
Sept. 29	Boston, Mass.	Sept. 23
Sept. 29	Grand Rapids, Mich.	Sept. 23
Sept. 29	Brooklyn, N. Y.	Sept. 23
Sept. 29	Cleveland, O.	Sept. 23
Oct. 1	Cleveland, O.	Sept. 23
Oct. 4	Buffalo, N. Y.	Sept. 16
Oct. 4	Maple Heights (Bedford P. O.), O.	Sept. 23

Bids close		*See Eng. News-Record*
Oct. 7	Chicago, Ill.	Sept. 16
Oct. 11	Port Washington, N. Y. Adv. Sept. 23.	Sept. 23
Oct. 13	Portland, Ore.	Aug. 26
Oct. 14	Chicago, Ill. Adv. Sept. 23.	Sept. 23
Oct. 27	Decatur, Ill. Adv. Sept. 23.	Sept. 23

Bridges

Sept. 28	Indiana	Sept. 16
Sept. 28	Iowa	Sept. 23
Sept. 29	Barstow, Tex.	Sept. 23
Sept. 30	Klamath Falls, Ore.	Sept. 16
Sept. 30	Virginia	Sept. 16
Sept. 30	Massachusetts	Sept. 23
Oct. 1	New York and Pennsylvania Adv. Sept. 23.	Sept. 23
Oct. 1	Michigan	Sept. 23
Oct. 1	Cleveland, O.	Sept. 23
Oct. 4	Pascogoula, Miss. Adv. Sept. 23.	Sept. 23
Oct. 4	California	Sept. 23
Oct. 5	Baltimore, Md.	Sept. 23
Oct. 5	Louisiana	Sept. 23
Oct. 5	Louisiana, Mo. Adv. Sept. 13.	Sept. 23
Oct. 7	New Brunswick, N. J. Adv. Sept. 23.	Sept. 23
Oct. 12	Oklahoma	Sept. 23
Oct. 15	Salem, N. J. Adv. Sept. 16 and 23.	Sept. 23
Oct. 18	Dayton, O.	Sept. 23
Oct. 19	North Carolina Adv. Sept. 13.	Sept. 23
Dec. 1	Copenhagen, Denmark	July 15

Dams

Oct. 4	New Rochelle, N. Y. Adv. Sept. 23.	Sept. 23

Excavation, Drainage, Irrigation, Levees, River and Harbor

Sept. 24	Wash., D. C.	Sept. 23
Sept. 27	Jersey City, N. J. Adv. Sept. 23.	Sept. 23
Sept. 27	Quoque, N. Y.	Sept. 27
Sept. 30	Poughkeepsie, N. Y. Adv. Sept. 16 and 23.	Sept. 16
Oct. 8	Illinois	Sept. 23
Oct. 14	Shreveport, La.	Sept. 23
Oct. 14	New Orleans, La.	Sept. 23
Oct. 15	Alexandria, La.	Sept. 23

Streets and Roads

Bids close		*See Eng. News-Record*
Sept. 24	Pennsylvania	Sept. 9
Sept. 24	Cincinnati, O.	Sept. 23
Sept. 27	Kentucky	Sept. 2
Sept. 27	Michigan	Sept. 23
Sept. 27	East Orange, N. J.	Sept. 23
Sept. 27	Eddyville, Ia.	Sept. 23
Sept. 27	Rushville, Ill.	Sept. 23
Sept. 27	Huntington, W. Va.	Sept. 23
Sept. 27	St. George, N. Y.	Sept. 23
Sept. 27	New York, N. Y.	Sept. 23
Sept. 28	Lawrence, Kan.	Sept. 2
Sept. 28	Indiana	Sept. 16
Sept. 28	Washington	Sept. 16
Sept. 28	West Virginia Adv. Sept. 16 and 23.	Sept. 16
Sept. 28	Randolph, Mass.	Sept. 23
Sept. 28	Barre, Mass.	Sept. 23
Sept. 28	Hampton, Ia.	Sept. 23
Sept. 28	Iowa	Sept. 23
Sept. 28	Primghar, Ia.	Sept. 23
Sept. 28	Wheeling, W. Va.	Sept. 23
Sept. 28	Albany, Tex.	Sept. 23
Sept. 28	Cold Springs, Tex.	Sept. 23
Sept. 29	Alabama	Aug. 12
Sept. 29	Atchison, Kan.	Sept. 9
Sept. 29	Alabama	Sept. 2
Sept. 29	Kentucky	Aug. 12
Sept. 29	Bronxville, N. Y. Adv. Sept. 16 and 23.	Sept. 16
Sept. 29	Michigan	Sept. 16
Sept. 29	Barstow, Tex.	Sept. 23
Sept. 29	Baltimore, Md.	Sept. 23
Sept. 29	Chicago, Ill.	Sept. 23
Sept. 29	Brooklyn, N. Y.	Sept. 23
Sept. 29	Newark, N. J.	Sept. 23
Sept. 30	Clay Center, Kan.	Sept. 16
Sept. 30	Fort Wayne, Ind.	Sept. 16
Sept. 30	Nebraska	Sept. 23
Sept. 30	Council Bluffs, Ia.	Sept. 23
Sept. 30	Michigan	Sept. 23
Sept. 30	Buffalo, N. Y.	Sept. 23
Sept. 30	New York, N. Y.	Sept. 23
Oct. 1	Idaho	Sept. 23
Oct. 1	Dayton, O.	Sept. 23
Oct. 1	Cimarron, Kan.	Sept. 23
Oct. 1	Ohio	Sept. 23
Oct. 4	New Jersey Adv. Sept. 16 and 23.	Sept. 16
Oct. 4	Los Angeles, Calif.	Sept. 23
Oct. 4	Kansas City, Kan.	Sept. 23
Oct. 4	North Castle (mail Mt. Kisco), N. Y. Adv. Sept. 23.	Sept. 23
Oct. 4	Anderson, Ind.	Sept. 23
Oct. 5	Louisiana	Sept. 16
Oct. 5	Bradenton, Fla. Adv. Sept. 16 and 23.	Sept. 16
Oct. 5	Kosciusko, Miss.	Sept. 23

See proposal advertising on page 130

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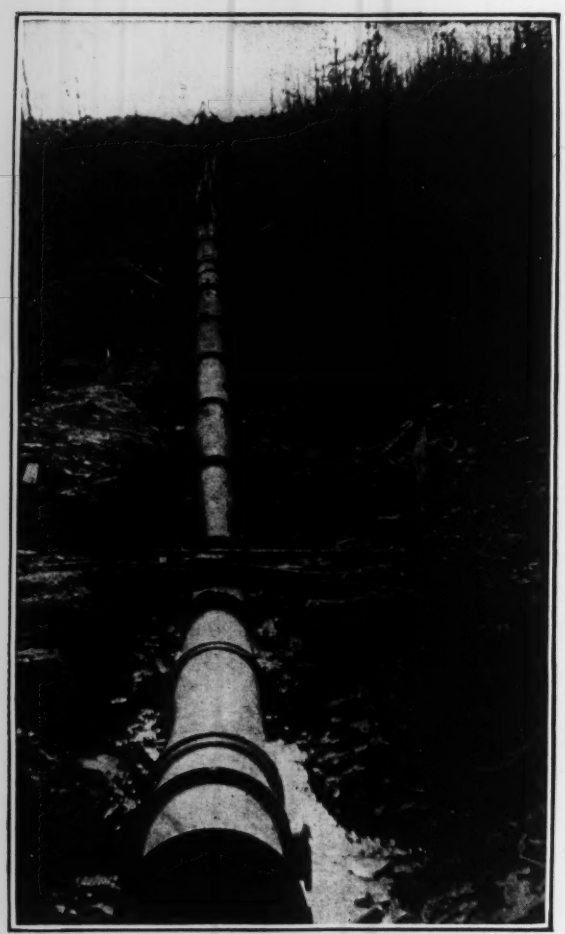
TRADE "LEADITE" MARK
Registered U. S. Pat. Office



Section of 9 miles 30-in. and 36-in. pipe laid with LEADITE

LEADITE, like cast-iron pipe, has proven its durability.

LEADITE has been successfully tested and used for over 30 years for jointing all sizes of cast-iron bell and spigot water mains from 4 in. to 60 in. in diameter, under all pressures and conditions encountered in water-works construction.

Thousands of miles of pipe have been laid with LEADITE.

The most prominent water-works engineers, superintendents and contractors specify and use LEADITE on their work, because it is durable, economical and efficient.

LEADITE saves at least 75%.

LEADITE is the pioneer Self-Caulking Material for c.i. Pipe

Be Sure It Is LEADITE and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Oct. 5	Vincennes, Ind.	Sept. 23
Oct. 5	Minnesota	Sept. 23
Oct. 5	Louisiana	Sept. 23
Oct. 5	Washington	Sept. 23
Oct. 5	San Gabriel, Calif.	Sept. 23
Oct. 6	Michigan	Sept. 16
Oct. 6	Michigan	Sept. 23
Oct. 7	Jackson, Miss.	Sept. 23
Oct. 7	Baton Rouge, La.	Sept. 23
Oct. 8	Michigan	Sept. 23
Oct. 11	New Jersey Adv. Sept. 23	Sept. 23
Oct. 11	California	Sept. 23
Oct. 11	Sherman, Tex.	Sept. 23
Oct. 12	Kansas City, Kan.	Sept. 23
Oct. 12	Oklahoma	Sept. 23
Oct. 15	Birmingham, Ala.	Sept. 23
Oct. 19	Ft. Scott, Kan.	Sept. 23

Buildings—Commercial

Sept. 28	Dayton, O.	Sept. 2
Sept. 29	Kings Park, N. Y. Adv. Sept. 9 to 23.	Sept. 16
Sept. 29	Pittsburgh, Pa.	Sept. 23
Sept. 30	Perth Amboy, N. J.	Sept. 23
Oct. 1	Birmingham, Ala.	Sept. 16
Oct. 1	Cincinnati, O.	Sept. 16
Oct. 4	Milwaukee, Wis.	Sept. 23
Oct. 5	Chicago, Ill.	Sept. 23
Oct. 13	Buffalo, N. Y. Adv. Sept. 23.	Sept. 23
Oct. 15	Duluth, Minn.	Sept. 23
Oct. 19	Indianapolis, Ind.	Aug. 26
Oct. 21	Lafayette, La.	Sept. 23
Nov. 15	Duluth, Minn.	July 15

Buildings—Industrial

Sept. 27	Newark, N. J.	Sept. 16
Sept. 29	Phila., Pa.	Sept. 23
Oct. 5	Dorchester (Boston P. O.), Mass.	Sept. 23

Buildings—Educational, Religious

Sept. 25	Wausau, Wis.	Sept. 16
Sept. 27	Battle Creek, Mich.	Sept. 9
Sept. 27	West Allis, Wis.	Sept. 16

Bids close		See Eng. News-Record
Sept. 27	Bloomsburg, Pa.	Sept. 23
Sept. 28	Rahway, N. J.	Sept. 9
Sept. 30	Wash., D. C.	Aug. 26
Sept. 30	Worcester, Mass.	Sept. 23
Sept. 30	Battle Creek, Mich.	Sept. 23
Oct. 1	Storrs, Conn.	Sept. 2
Oct. 1	Boston, Mass.	Sept. 23
Oct. 1	Adrian, Mich.	Sept. 23
Oct. 1	Carnegie, Pa.	Sept. 23
Oct. 11	Columbus, O.	Sept. 23
Oct. 19	Newell, W. Va.	Sept. 23
Oct. 25	Stamford, Conn.	Sept. 23

Federal Government Work

Sept. 27	Remodeling — Milwaukee, Wis.	Sept. 16
Sept. 28	Storehouse, etc.—Sunmount, N. Y.	Aug. 26
Sept. 28	Remodeling—Kewanee, Ill.	Sept. 16
Sept. 28	Sewer—Fort Snelling, Minn.	Sept. 23
Sept. 28	Sewer—Dayton, O.	Sept. 23
Sept. 29	Remodeling — Spokane, Wash.	Sept. 16
Sept. 29	Dredging—Quantico, Va.	Sept. 23
Sept. 30	Equipment—Wash., D. C. Adv. Sept. 2 to 23.	Sept. 2
Sept. 30	Stand Pipe—Boston, Mass.	Sept. 16
Sept. 30	Addition—Wash., D. C.	Sept. 23
Oct. 1	Jetty—Sabine Pass, Tex. Adv. Aug. 12, 19, Sept. 16 and 23.	Aug. 12
Oct. 1	Breakwater — Charlestown, S. C.	Sept. 23
Oct. 4	Remodeling—Zanesville, O.	Sept. 23
Oct. 5	Remodeling — McKeesport, Pa.	Sept. 23
Oct. 7	Assembly Shops — Dayton, O. Adv. Sept. 16 and 23.	Sept. 16
Oct. 8	Remodeling—Olean, N. Y. Adv. Sept. 23.	Sept. 23
Oct. 9	Dwellings—Wash., D. C. Adv. Sept. 16 and 23.	Sept. 16
Oct. 11	Remodeling—St. Augustine, Fla. Adv. Sept. 23.	Sept. 23
Oct. 12	Hoists, etc.—Denver, Colo.	Sept. 16

Bids close		See Eng. News-Record
Oct. 16	Dredging — Port Chester, N. Y. Adv. Sept. 16 and 23.	Sept. 16
Oct. 18	Dredging—Baltimore, Md. Adv. Sept. 16 and 23.	Sept. 16

Unclassified

Sept. 24	Pier Shed — New York, N. Y.	Sept. 16
Sept. 24	Reptile House—St. Louis, Mo.	Sept. 16
Sept. 24	Subway—New York, N. Y.	Sept. 16
Sept. 24	Entrance, etc.—New York, N. Y.	Sept. 16
Sept. 24	Tracks—Long Island City, N. Y.	Sept. 16
Sept. 24	Convertors, etc.—New York, N. Y.	Sept. 23
Sept. 27	Railroad Crossing — Phila., Pa.	Sept. 16
Sept. 27	Fire Alarm System—Brooklyn, N. Y.	Sept. 23
Sept. 30	Generator—Newark, N. Y.	Sept. 9
Oct. 1	Subway—New York, N. Y.	Sept. 9
Oct. 1	Pipe—La Mesa, Calif.	Sept. 23
Oct. 2	Underground Conduits—Montreal, Que.	Sept. 23
Oct. 8	Elevated Line — Brooklyn, N. Y.	Sept. 23
Oct. 11	Foundation and Excavation—Columbus, O.	Sept. 23
Oct. 15	Subway—New York, N. Y.	Sept. 9
Nov. 1	Buildings, etc.—New Zealand	July 1

Materials

Sept. 27	Structural Steel, and Galvanized Steel Cable—Phila., Pa.	Sept. 16
Sept. 27	Street Sign Materials—Long Island City, N. Y.	Sept. 23
Sept. 28	Pumps—Solvay (br. Syracuse), N. Y.	Sept. 23
Sept. 29	Steel Sheets, Bar shapes, etc.—Phila., Pa.	Sept. 23
Sept. 29	Pipe—New York, N. Y.	Sept. 23
Nov. 3	Cable—Melbourne, Australia	Sept. 16

News of New Work

Waterworks

Proposed Work

Mass., Boston—Making plans new water supply system in Boston Sanitorium. $15,000 or more. Maginnis & Walsh, 100 Boylston St., archts.

Mass., Cambridge (Boston P. O.)—Rejected bids Sept. 1, relining reservoir, Payson Park, at Belmont. Will probably readvertise. Noted Sept. 16.

Va., Fredericksburg — Voted $100,000 bonds, waterworks improvements. Noted Sept. 2.

North Carolina—Town of East Flat Rock sold $50,000 bonds extending mains at Hendersonville to newly organized town East Flat Rock.

N. C., Sanford — Bd. Aldermen making surveys dam and pumping plant on Little River to increase city water supply, 1 m.g. daily.

Ga., Macon—Plans to purchase 10 m.g. centrifugal pump and extensions of pipe line. $60,000.

La., Slidell—See "Sewers."

Tenn., Gainesboro—Election soon $15,000 or more bonds, waterworks.

Ky., Louisville—Louisville Water Co., 435 South 3rd St., takes bids about latter part of October, waterworks improvements, incl. 48 m.g. filter plant, 1 m.g. concrete reservoir, $150,000 worth large concrete conduits and alterations to coagulation basin. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Ind., New Haven—Plans waterworks, 100,000 gal. steel tank. $25,000. O. M. Darling, Farmers Trust Bldg., Fort Wayne, engr.

Mich., Detroit—Dept. Pub. Wks., retained G. S. Williams & L. E. Ayers, consult. engrs., Cornwell Bldg., Ann Arbor, in connection with East Side Sewerage and Storm Water Relief program and making preliminary plans Connors Creek Pumping Station, ultimate capacity 2,400 c.f.s. against 23 ft. head, also temporary station for furnishing early water relief to East Jefferson Ave. Dist.

Ia., Eldora—Making preliminary plans new source water supply, pumping equipment, distribution mains, etc. L. Higgins, 420 Securities Bldg., Des Moines, engr.

Ia., Newton—Plans election in fall or spring, $90,000 bonds, waterworks improvements. L. Higgins & Son, 470 Securities Bldg., Des Moines, engrs. This corrects report in Aug. 12 issue.

Neb., Westpoint—Plans election $20,000 bonds, extending waterworks.

Mo., Neosho—Voted $30,000 bonds, waterworks and distribution system. A. E. Thain, City Hall, engr. Noted Aug. 12.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Ark. Booneville — Waterworks Impvt. Dist. 1, R. L. Whittam, chn., making preliminary plans waterworks and distribution system. $90,000. W. L. Winters, Merchants Bank Bldg., Ft. Smith, engrs.

Tex., Boerne—Election Sept. 28, $40,000 bonds, waterworks improvements. Address Mayor. Noted Sept. 16.

Tex., Harlingen—Election soon $75,000 bonds, waterworks, etc. in various streets. S. F. Ewing, mayor.

Tex., Lorenzo — Voted $42,000 bonds, waterworks improvements, incl. 50,000 gal. elevated tank, deep well, etc. Montgomery & Ward, c/o City Natl. Bank Bldg., Wichita Falls, engrs.

Tex., Wichita Falls—Plans waterworks improvements, incl. additional mains, pumping equipment, reservoir, etc. $200,000. Black & Veatch, c/o Mutual Bldg., Kansas City, Mo., engrs.

Okla., Bokoshe—Making surveys new waterworks, incl. 10,200 ft. 2- to 6-in. c.i. mains, deep well pump, etc., $20,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Bushyhead — Made preliminary plans new waterworks incl. 10,500 ft. 2- to 6-in. c.i. mains, deep well, tank on tower, etc., $18,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Chelsea—Made preliminary plans and election soon, $60,000 bonds, new impounding reservoir, filter and pumping equipment, 11,000 ft. 8 in. c.i. pipe line, etc. H. T. Corwin, mayor. Engineer not announced.

Okla., Chickasha—Carter Oil Co. making plans waterworks connecting with springs at Rush Springs, incl. pumping station, pumping equipment, reservoir, etc., $150,000. Private plans.

Okla., Yale—Made preliminary plans new waterworks, incl. 2,800 ft. 8-in. c.i. pipe, deep well pump, etc., $40,000. J. S. Garrison, Yale, engr.

Calif., Monticello—C. N. Clark, clk., Monticello Union School Dist., soon takes bids Chippawa No. c-5 double acting accessible deep well pumping head; Fairbanks-Morse ball-bearing motor 1-2 hp. operated by Kohler Light Plant; double acting deep well cylinder to furnish 350 gal. per hr.; 200 gal. welded pressure tank; pressure gage, etc.

Bids Desired

N. Y., Port Washington—Oct. 1, by Bd. Comrs. Port Washington Water Dist., oil engine pumping units; adv. E. N.-R. Sept. 23.

Pa., Brackenridge—Oct. 5, by Boro, G. H. Dickey, secy., one centrifugal pumping unit consisting 1 two-stage pump having bronze impellers, bronze covered steel shaft and thrust bearing, designed for 1,400 g.p.m. against 335 ft. dynamic suction lift to handle Allegheny River water after screening.

Pa., Tarentum—Oct. 4, by L. R. Hartley, Wks. Dept., pump, 5 m.g.p.d. capacity, for use at Broad Brook Reservoir. $9,000 appropriated. C. P. Prann, City Hall, engr. secy. Water & Light Com., two 500,000 gal. steel tanks on foundations. Hudson & Myron, 802 Wabash Bldg., Pittsburgh, Pa., engrs.; adv. E.N.-R. Sept. 23.

Md., Baltimore—Oct. 6, by Bd. Awards, excavating trenches and laying mains in

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Traffic Delays for Street Repairs Solved by Quick-Hardening Cement

Contractor Builds Intersection With 3-Day Concrete in Decatur, Ill.

Following the successful use of Quick-Hardening *Universal* Concrete on a street repair job in Decatur, Ill., city officials used the same methods to obtain strong concrete in 3 *days* in order to speed up construction on an important street intersection.

By using these methods and standard *Universal* cement, the same quality *Universal* regularly used, the builders secured concrete with such high early strength that they were able to open the street to traffic weeks earlier than usual, and thus avoid a serious delay to business.

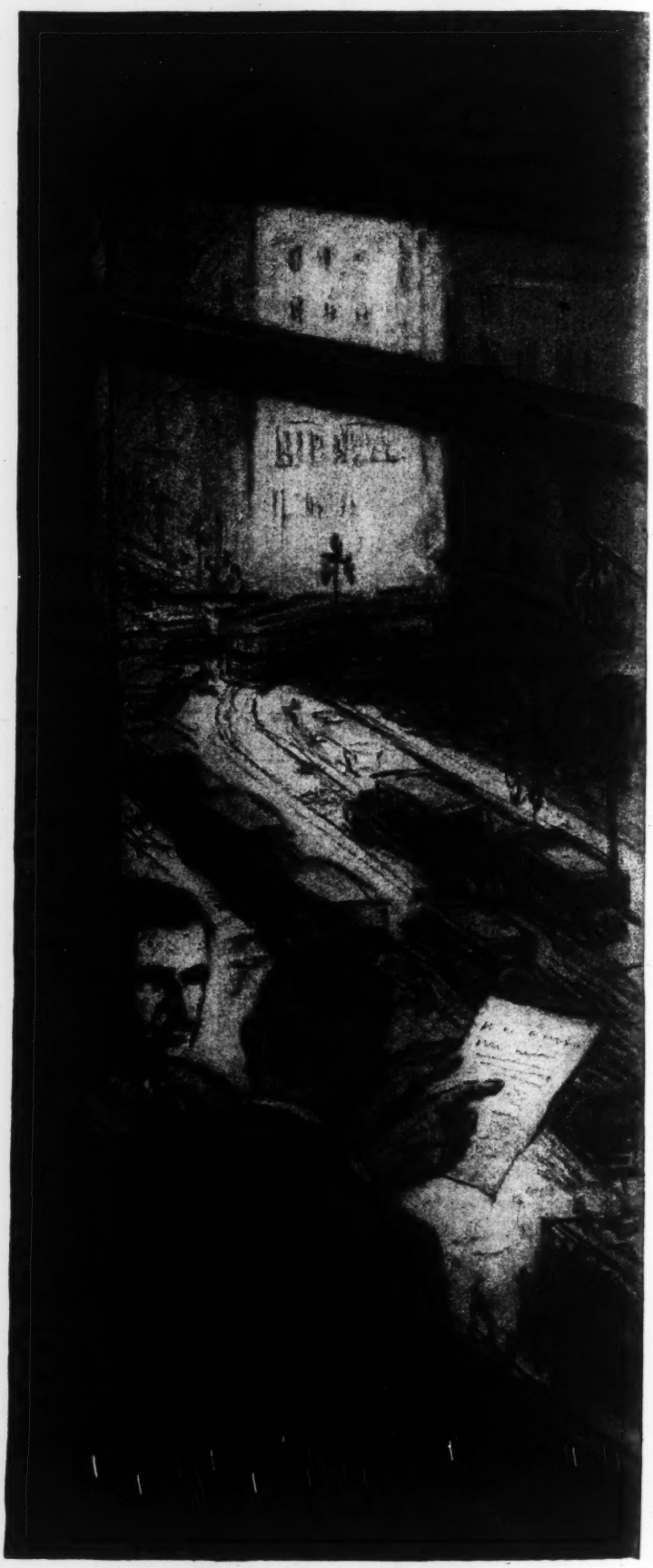
The same methods serve to speed up work on all kinds of jobs. The coupon below will bring you detailed information promptly on how you can put these methods to practical use.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

E.N.R.-9-23-26



UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago.

Without obligation, please send me detailed information on methods for securing strong concrete in 3 *days* with standard *Universal* cement — the same quality *Universal* regularly used.

Name .....

Address .....

Waterworks (Continued)

Argonne Dr., for Bureau Water Supply. V. B. Siems, City Hall, water engr.

O., Cleveland—Sept. 29, by Comrs. Cuyahoga Co. 3,600 ft. 12 in. c.i. mains in Columbia Rd., Impvt. 758, $15,000; also 6,006 ft. 6 and 8 in. mains in Marian and Clifford Rds., Impvt. 759, $15,000. F. Williams, Court House, engr.

O., Maple Heights (Bedford P. O.)—Sept. 27, by Village, mains in various streets. $15,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

O., Maple Heights (Bedford P. O.)—Oct. 4, by Village, mains in Mountville Dr., Nitra, Gardenview and Kenyon Aves. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

Mich., Detroit — Oct. 6, by Bd. Water Comrs., 176 East Jefferson Ave., two 5,000 g.p.m. electric motor driven centrifugal pumping units, etc. G. H. Fenkell, genl. mgr.; adv. E. N.-R. Sept. 23.

Mich., Saginaw — Oct. 26, by S. W. Corrigan, city clk., constructing rein.-con. settling and carbonation basins, also filtered water reservoir, Contrs. 2, 2-A, and 2-B. H. H. Eymer, city engr.; adv. E. N.-R. Sept. 23. Noted Mar. 18.

Wis., Milwaukee—Sept. 27, by Central Bd. Purch., J. W. Nicholson, buyer, City Hall, 325 tons 6- to 16-in. c.i. water pipe.

Mo., Lees Summit — See "Contracts Awarded."

Mo., Maryville—Sept. 28, by City Council, c/o W. O. Garrett, mayor and city mgr., 1 electrically driven triplex pump capable of delivering 500 g.p.m. against 400 ft. maximum head.

Okla., Oklahoma City—City, Water Dept. in market 2,000 new ⅝ in. water meters. C. E. Bretz, supt.

Bids Received

Mass., Boston—Dept. Pub. Wks., laying and relaying mains in Park Sq. Dist., from C & R Constr. Co., 67 Harrison Ave., East Rosindale. $124,635. Noted Sept. 2.

N. Y., Brooklyn — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Sept. 17, mains in Bensen Ave., here, from Gri-po Contr Co., 85 Webster Ave., Long Island City, $7,950; also in Avenues S and Z, from N. DeStefano, Inc., 257 Glenn Ave., Tompkinsville, $112,998. Noted Sept. 9.

N. Y., Long Island City — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Sept. 17, mains in 32nd, 35th Sts., etc., here, from B. Costanzo, 2777 Myrtle Ave., Brooklyn, $6,534. Noted Sept. 9.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., Sept. 17, mains in Golden, Cromwell Aves., etc., from Draganette Constr. Co., 1123 Clinton Ave., $12,435. Noted Sept. 9.

N. Y., St. George—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, Sept. 17, mains in Adams St., here, from Knight & DeMicco, Inc., 448 Tremont Ave., New York City, $44,740. Noted Sept. 9.

Md., Baltimore—Bd. Awards, Sept. 15, excavating trenches and laying mains in Hillen Rd., from M. and J. B. McHugh, 3414 Springdale Ave., for Bureau Water Supply. $23,250.

Mich., Detroit—Dept. Water Supply, 176 East Jefferson Ave., filtered water reservoir, 50,000 cu.yd. excav., 150,000 lin.ft. timber piling, concrete reservoir, etc., from Whitney Bros. Co., Superior, Wis., $592,583. Noted Aug. 26.

Mich., Wyandotte—E. C. Bryan, city clk., approximately 67,750 ft. 10- to 30-in. c.i. mains, etc. in various streets, from T. D. Nolan, Plymouth Rd. and Pere Marquette Ry., $264,117. Noted Aug. 26.

Calif., San Francisco—High pressure mains in Butchertown Dist., from Schultz Constr. Co., 46 Kearny St., $45,656.

Contracts Awarded

Mass., Boston—Commonwealth of Massachusetts, Metropolitan District Comn., water valves for Water Dept., to Fell Mfg. Co., 2450 48th St., Chicago, Ill.

Mass., Clinton — Town Bd. Selectmen, earth and concrete reservoir, to C. E. Horne, North Main St., Millbury. $54,439. Noted Sept. 16.

Mass., Norwood—Bird & Sons, Inc., East Walpole, concrete reservoir, to Central Eng. & Constr. Co., Statler Trust Bldg., Pawtucket, R. I. Engrs. est. $25,000. Noted Sept. 2.

Conn., East Hartford (br. Hartford)—East Hartford Fire Dist., E. E. King, pres., 4½ mi. 14- to 18-in. mains in various streets, to U. S. Cast Iron Pipe & Fdry. Co., Burlington, N. J., $71,086.

Conn., East Hartford—For 16 in. main from Garvan to Glastonbury Sts., to J. Battaglia, 737 West Main St., New Britain, $26,660. Engrs. est. $25,000.

Conn., Mansfield — State of Connecticut wells and reservoir for State Training School, here, and Connecticut Agricultural College, Storrs (R. Sta. Englenville) to Interstate Constr. Co., 37 South Front St., New Haven. Engrs. est. $145,000. Noted under Storrs Apr. 1.

N. Y., White Plains—E. Halpin, Jr. comr. Pub. Wks., 9 m.g. distributing reservoir, etc. here, to M. Del Fino, 9 North Highland Ave., Ossining. $227,000. Noted Sept. 16.

N. J., Newark—North Jersey Dist. Water Supply Comn., 24 Commerce St clearing and grubbing at Wanaque Reservoir, to A. Stryker, Trenton. $102,140. Noted Aug. 12.

Fla., Ft. Lauderdale—Waterworks and sewer improvements, incl. water distribution system, to Federal Constr. Co., Birmingham, Ala, water treatment plant, to Andrews-Fay Constr. Co., Miami; sewage pumping stations and sewage force mains, to Meador Constr. Co., 10 West Harris St., Atlanta, Ga.,; sewage disposal plant, to C. C. Case, 249 Peachtree St., Atlanta, Ga.; cast iron pipe in connection with sewage force mains, to U. S. Cast Iron Pipe & Fdry. Co., Amer. Trust Bldg., Birmingham, Ala.; waterworks pumps (for Delaval units,) and sewage ejectors (for Shone ejectors), to Burford, Hall & Smith, Red Block Bldg., Atlanta, Ga.; valves and hydrants, to Kennedy Valve Mfg. Co., Elmira, N. Y.; valves in sewage pumping stations and water treatment plant, to Michigan Valve & Fdry. Co., 3631 Parkinson St., Detroit, Mich.; chlorinator, to Wallace & Tierman Co., Newark, N. J.; meters, to Simplex Valve & Meter Co., Atlanta, Ga. Noted July 8.

O., Bexley (Columbus P. O.)—For 5,000 ft. 16 in. c.i. pipe and necessary connections, to Barthlow & Son, Logan. $30,734.

O., Cincinnati—Hamilton Co., 12,684 ft. 6 in. c.i. mains in Water Supply Line 34, Dist. 3, to W. Hennigan, 16 East 7th St., $23,814, engrs. est. $28,125; 30,228 ft. 6 and 8 in. in Water Supply Line 14, Dist. 4, to Crumley, Jones & Crumley, 311 Temple Bar Bldg., $54,814, engrs. est. $63,-710; and 21,068 ft. 6 in. in Water Supply Line 16, Dist. 1, to Metzel & O'Hearn, 701 Gerke Bldg., $36,524, engrs. est. $44,526. Grand total $115,151. Noted Sept. 2.

Mich., Saginaw — City Council, riveted steel mains in Saginaw River waterworks project, to Brigs Constr. Co., Akron, O. $194,107.

Mo., Lees Summit—Unity School of Christianity, 917 Tracy St., Kansas City, will build rein.-con. dam, 50 ft. high and 500 ft. long for water supply. $75,000. Work will be done by separate contracts. Burns, McDonnell Eng. Co., 400 Interstate Bldg., Kansas City, engrs.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, 3,200 ft. 20 in. and 200 ft. 16 in. c.i. mains in Evans Ave., also 10,300 ft. 20 in. and 180 ft. 16 in. c.i. mains, etc. in Bway. in Gimblin, thence to Waterworks conduit connecting with 12 in. main in Riverview Dr. at Cyr, to E. J. Merkle, Davidson Bldg., Kansas City, $7,013 and $15,052 respectively; also underground steam and condensation return system and Chain of Rock Waterworks Station, to Materne Heating & Power Piping Co., 1316 South 8th St., $12,-538. Grand total $34,603. Noted Aug. 19.

Tex., Donna—Waterworks improvements, incl. sedimentation basin, to T. Hester, Donna, $12,500.

B. C., Vancouver—Greater Vancouver Water Dist., new mains near Capilano Intake, to Vancouver Pile Driving & Contg. Co., Dominion Bldg., $30,933.

Sewers

Proposed Work

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., rejected bids Aug. 24, sanitary sewer in Brinkerhoff Ave. Noted Sept. 2.

N. J., Roselle—Mayor and City Council plan storm sewers in 12 streets. $30,000. Engineer not selected.

N. C., Walnut Cave—Plans constructing complete sewage disposal plant. C. R. Hutcherson, Walnut Cave, mayor.

La., Slidell—Soon takes bids sanitary sewerage system, $105,000 and complete waterworks, $70,000. J. W. Billingsley, 701 Interstate Bank Bldg., New Orleans, engr. Noted Dec. 24.

O., Alliance—Bd. Control soon takes bids sewage disposal plant, site north of here. $800,000.

O., Cincinnati—See "Streets and Roads."

O., Cincinnati—Plans 11,535 ft. 12- to 24-in. vitr. clay sewers and 4,450 lin.ft. 30- to 42-in. trunk sewer in Madisonville Contr. 7. $151,069. C. O. Sherrill, city engr.

O., Ravenna—Making plans storm sewers in various streets. $150,000.

Mich., Detroit—M. J. Gallagher, pastor, 1234 Washington Blvd., made plans drainage system, incl. 8,850 ft. 4- to 21-in. sewer in Holy Sepulchre Cemetery. $25,-000. Hubbell, Hartgering & Roth, 2640 Buhl Bldg., engrs.

Wis., Fond du Lac—Making plans sewerage system and disposal plant. Alvord, Burdick & Howson, 6 South Dearborn St., Chicago, Ill., engrs.

Mo., Mt. Grove—Made preliminary plans 7 mi. sanitary sewerage system. $70,000. Engineer not selected.

Ark., Booneville — Making preliminary plans sanitary sewerage system in Sewer Impvt. Dist. 1. $45,000. W. L. Winters, Merchants Bank Bldg., Ft. Smith, engr.

Tex., McLean—Made preliminary plans 8 mi. new sewerage system. $65,000. Engineer not announced. J. H. Fowler, mayor.

Tex., Midlothian — Defeated $46 500 bonds, sewerage system. Municipal Eng. Co., 1107 Athletic Club Bldg., Dallas, engrs. Noted Sept. 16.

Tex., Temple—Soon lets contract 2 mi. probably vitr. sewers in various streets. $25,000. Address Mayor.

Okla., Ponca City — Made preliminary plans outfall sewers and sewage disposal plant, incl. 1,000 ft. 21 in. vitr. clay pipe, Imhoff tanks, etc. in various streets. $120,-000. G. Smee, Ponca City, engr. Noted July 22.

Okla., Sentinel—Plans lateral sewers and sub-mains, incl. 15,200 ft. 6- to 10-in. vitr. clay sewers, etc., in various streets, $25,000. F. D. Ford, Cordell, engr.

Calif., Los Angeles — Voted $2,000,000 bonds, constructing trunk line sewerage system in San Fernando Valley and linking with North Outfall Sewer.

Ont., Hamilton—Plans 8 in. and up vitr. tile and trunk sewers in Gage Ave. Dist. $500,000-$750,000. W. L. McFaul, City Hall, engr.

Ont., Kitchener—Plans probably rein.-con. activated sludge type sewage disposal works at Cressmans Woods. $350,000. S. Shupe, City Hall, engr.

Ont., Orillia — Council plans extending sewers in various streets. $50,000. R. H. Starr, Town Hall, engr.

Ont., Toronto — City Council, plans 1,500,000 imperial gal. sewage pump at Morley Ave. Sewage Disposal Works. $15,000. R. C. Harris, City Hall, engr.

Bids Desired

Mass., Boston—Sept. 29, by Dept. Pub. Wks., sewerage works in various streets in Roxbury, Dorchester and Hyde Park Sections. $25,000. J. H. Sullivan, comr.

R. I., Providence—Sept. 27, at City Clerk's Office, City Hall, sewerage works in Glenbridge Ave., Wainwright Cumberland, Sunnyside and Farmer Sts. $25,000. Private plans.

N. Y., Brooklyn—Sept. 29, by J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewers in Ocean Parkway, Avenues O, M and N, East 2nd, 4th and 5th Sts.

N. Y., Port Washington—Oct. 11, by Bd. Sewer Comrs., Port Washington Sewer Dist., J. F. Dinn, secy., 2 steel frame curved eave glass enclosures for sludge beds. T. H. Barnes, 17 Battery Pl., New York City, consult. engr.; adv. E. N.-R. Sept. 23.

New Jersey—Sept. 28, by Town Engineer, Municipal Bldg., Bloomfield Ave. and Valley Rd., Montclair, wash borings for determining rock profile along line of proposed Northern Outlet Sewer, in Montclair, Bloomfield and Nutley. H. Trippett, Montclair, town clk.; adv. E. N.-R. Sept. 23.

Md., Baltimore—Sept. 29, by Bd. Awards, storm drains, sanitary sewers and railroad tunnel in Sewer Dist. 38, Storm Water Contr. 91. M. J. Ruark, 311 Courtland St., engr.

O., Cleveland—Sept. 29, by City, 5,700 ft. 8- to 22-in. concrete, vitr. clay and segmental block sewers in West 54th St., Gerald and Pershing Aves., Impvt. 35. $50,000. F. Williams, Court House, engr.

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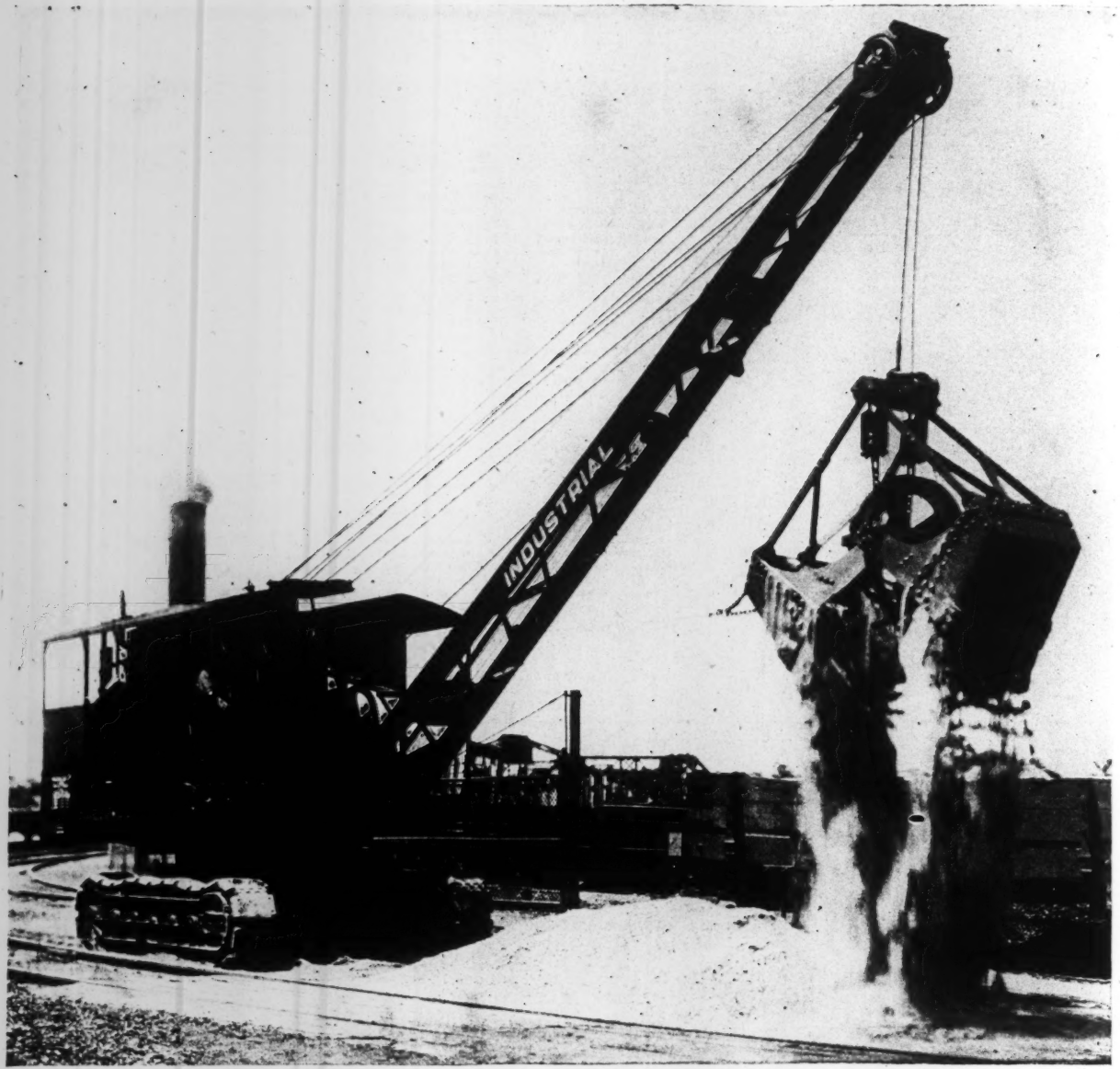

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Sewers (Continued)

O., Cleveland—Oct. 1, by City, sewers in Chester Ave. between East 30th and 40th Sts. To exceed $25,000. R. Hoffman, City Hall, engr.

O., Maple Heights (Bedford P. O.)—Sept. 27, by Village, sewers in Raymond St., Corridan and Kennerdon Aves. To exceed $25,000. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

O., Maple Heights (Bedford P. O.)—Oct. 4, by Village, sewers in Mountville Dr., Nitra, Gardenview and Kenyon Sts. C. W. Courtney, 1770 East 11th St., Cleveland, engr.

Mich., Grand Rapids—Sept. 29, by F. H. Locke, city mgr., 77,685 ft. 8- to 27-in. sewer in Sligh Blvd. Dist. C. A. Page, City Hall, engr.

Ill., Chicago—Oct. 14, by H. E. Wallace, clk. Sanitary Dist. of Chicago, for Div. U, North Side Sewage Treatment Works, in village of Niles Center. M. Fuller, chn.; adv. E. N.-R. Sept. 23.

Ill., Decatur—Oct. 27, by Sanitary Dist. of Decatur, additions to sewage treatment plant. Pearse, Greeley & Hansen, 6 North Michigan Ave., Chicago, engrs.; adv. E. N.-R. Sept. 23.

Ill., Lebanon—Sept. 28, by City Clerk, 27,889 ft. 8- to 15-in. vitr. clay sewers, 1,200 ft. 6 in. raised house connections 108 manholes, etc. in various streets. $66,000. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs. Noted Sept. 16.

Wis., Milwaukee—Sept. 28, by Dept. Pub. Wks., R. E. Stoelting, comr., sewer laterals, etc. $35,000.

Que., Lachine—City, in market two electric motor sewer pumps. H. Daoust, secy.

B. C., Vancouver—See "Contracts Awarded."

Bids Received

N. Y., Brooklyn — J. A. Guider, pres. Brooklyn Boro, Boro Hall, sewers in East 4th St., from A. Paino, 32 Court St., $108,655. Noted Sept. 9.

N. Y., New York—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Sept. 16, storm water drain in Dyre Ave., from Commerce Avenue Co., Inc., 1910 Webster Ave., $5,130; sewer in Laconia Ave., from Florello & Koch, Inc., 1895 Belmont Ave. $30,633, and in Hone Ave., from F. Pestone, 2410 Bathgate Ave. $3,588. Noted Sept. 9.

N. Y., Patchogue—Village, E. R. Bellman, pres. Sept. 14, constructing sewage disposal plant, Hammond St., from Ransom & Anderson, 136 Liberty St., New York City. $17,635. Noted Sept. 2.

N. J., Tenafly—Tenafly Boro, Boro Hall, S. G. Farnham, mayor, Sept. 13, main sewers in various streets from L. Jacques Constr. Co., Elizabeth, $162,000; lateral sewers from Pizzimenti Bros., Ridgewood, $268,000; and sewage disposal plant from Mazzi & Schoonover, Hawthorne. $219 000. Noted Aug. 26.

Mich., Fordson—For 6,003 ft. sewers in Sect. 1 Chase Rd., Ruby, and Orchard Aves., from White Constr. Co., 1548 Buhl Bldg., Detroit, $410,000; and Sect. 2, from G. R. Cooke, 1260 Penobscot Bldg., Detroit, $87,558.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Rocky Branch Relief Sewer Dist. 2, 16,060 ft. 6 in. to 11 ft. horseshoe shaped tile and vitr. clay and brick in concrete, from T. F. Hogan, Coronado Hotel, $287,308. Engrs. est. $340,000. Noted Aug. 26.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Sept. 7, Harlem Creek Sewer 24, 1,350 ft 8- to 15-in. vitr. clay pipe, from R. C. Micotto, 2516 Arlington Ave., $2,747, engrs. est. $4,100; also sewer from Missouri River to site of new filter plant at Howard Bend Waterworks, from Missouri Eng & Constr. Co., Merchants Laclede Bldg., $21,602, engrs. est. $25,000.

Wash., Seattle—Bd. Pub. Wks., Sept. 3, sewers in Beach Dr. et al., from T. Scalzo, 1708-22nd St. S., $34,597. Engrs. est. $36,090.

Calif., Belmont—Belmont Sanitary Dist., from C. E. Prentiss, 1734 Francisco St., Berkeley, improving Belmont Country Club, etc. 34,400 ft. 6 in. vitr. sewer at $1.62 per ft., 4,521 ft. 12 in. $3, etc., total $89,098.

Calif., Los Angeles — City, Slausin Ave. Storm Drain 2, 33,240 ft. 24- to 66-in. reinforced con., 2,107 ft. 6- to 12-in. vitr. and 16,101 ft. 8- to 18-in. cement pipe, from A. Grebisch, 361-W Route 1, Long Beach, $598,300.

Calif., Santa Cruz—S. A. Evans, city clk., cement storm drains, etc. in Laveage and Branciforte Sts. (Seabright Drainage Impvt. Dist.), from Frederickson & Watson, 354 Hobart St., Oakland, $215,953. Noted Sept. 16.

Contracts Awarded

Mass., Salem—South Essex Sewerage Bd., Fort Ave., c.i. harbor and river crossings, Contr. 5, to Bay State Dredging & Contg. Co., 62 Condor St., East Boston, $644,113; and c.i. on land, Contr. 6, to General Contg. Co., Bath, Me., $107,607. Noted Sept. 16.

Fla., Ft. Lauderdale—See "Waterworks."

Fla., Miami—Sewers in Dist. 84, S. R. 204 and 205, to J. L. Kelly, Constr. Co., Miami, $24,069.

Mich., Royal Oak (Ind. br. Detroit) Hubbell, Hartgering & Roth, engrs., 2640 Buhl Bldg., Detroit, approximately 20,000 lin.ft. 12- to 36-in. sewers, etc. in Woodwardside Subdivision, here, to J. Rossi, 4148 Seneca Ave., Detroit, for Judson Bradway Co. $50,687. Noted Aug. 5.

Ia., Burlington—Sewage disposal plant, to M. W. Daley, Burlington, $57,564. Noted Aug. 26.

Mo., St. Louis—See "Streets and Roads."

Tex., Albany — Sanitary Sewer Corp., complete sanitary sewerage system and disposal plant, to Barker & Davis, 508 North Texas Bldg., Dallas, $29,600. Engrs. est. $30,000. Noted Aug. 19.

Tex., Amarillo—Furnishing 10 and 24 in. tile pipe, to Dempster Co., Amarillo, $19,-325; laying same, to J. Foran, Amarillo, $26,652. Engrs. est. $50,000.

Okla., Oklahoma City—For 24,360 ft. 8- and 10-in. vitr. clay sewers, etc., in Lincoln Terrace Addition, to H. H. Derr, 408 East 12th St., $44,840. Engrs. est. $46,124.

Wash., Seattle—Bd. Pub. Wks., 24,266 ft. 6- to 30-in. sewers in Alki Ave., et al, to Badolato & Arocrace, P. O. Box 561, $88,720. Engrs. est. $111,432.

B. C., Point Grey—Concrete sewers in Crown, Highbary, and 10th Aves., to H. G. Cutt, 5645 West Boulevard, Vancouver, $46,893.

B. C., Vancouver—Will build permanent sewers in Elton and Pacific Sts., by day labor. $47,400. C. Brackenridge, City Hall, engr. Noted Aug. 19.

Bridges

Proposed Work

Pennsylvania—Comrs. Union Co. (Lewisburg) and Northumberland Co. (Whitedeer), making plans 800 ft. concrete bridge between Whitedeer and Watsontown. $400,-000. J. B. Long, 58-61 Boyer Arcade, Norristown, engr.

Pa., Pittsburgh — Dept. Pub. Wks., making plans 500 ft. rein.-con. bridge over Castle Shannon Incline. $340,000. City Dept. Pub. Wks., City County Bldg., engrs.

N. C., Bryson City — See "Streets and Roads."

Fla., Miami—See "Streets and Roads."

O., Cincinnati—See "Streets and Roads."

Indiana—Knox Co. (Vincennes) and Pike Co. (Petersburg), plan bridge over White River on Lincoln Trail. $200,000.

Tex., Galveston—See "Streets and Roads."

Okla., Earlsboro — State Hy. Dept., Oklahoma City, making preliminary plans 3 span 88 ft. rein.-con. trestle bridge over Rock Creek, on Highway 3, Pottawatomie Co., here. $30,000. J. M. Page, highway engr.

Okla., Keefeton—Muskogee Co. made plans 1 span 52 ft. steel truss bridge on concrete piers. $28,000. C. R. Morgan, Muskogee, engr.

Okla., Oklahoma City — Oklahoma Co. voted $30,000 bonds, 3 span 240 ft. bridge over Canadian River at Wheeler Park. R. S. James, Court House, engr.

Bids Desired

Massachusetts—Sept. 30, by Metropolitan Dist. Comn., 1 Ashburton Pl., Boston, highway and railroad bridge known as Cottage Farm Bridge, 170 ft. steel span, 3 concrete arches, 60 ft. wide, over Charles River, at Essex and Brookline Sts., in Boston and Cambridge. $1,000,000. Noted Sept. 16.

New York and Pennsylvania—Oct. 1, by A. W. Brandt comr. Bureau Highways, 353 Bway., Albany, N. Y., repairing and strengthening bridges listed in Contrs. 2 and 3; adv. E. N.-R. Sept. 23.

N. J., Salem—Oct. 15, by Bridge Com. Bd. Freeholders Salem Co., Penns Neck Bridge 700 over Salem River. H. B. Keasbey, co. engr.; adv. E. N.-R. Sept. 23. Noted Apr. 29.

N. J., New Brunswick—Oct. 7, by Bd. Freeholders Middlesex Co., County Record Bldg., T. J. Mulvihill, clk., strengthening bridge and reconstructing deck Landing Bridge or Bridge 143, over Raritan River, here. W. F. Buchanan, 175 Smith St., Perth Amboy, acting co. engr.; adv. E.N.-R. Sept. 23.

Delaware—Oct. 13, by State Hy Dept. Dover, substructure, South Market St. Bridge over Christiana River, Wilmington, Contr. 72; and grading, etc., Vances Neck Rd., Contr. 73; adv. E.N.-R. Sept. 23. Noted June 3 under Wilmington.

Md., Baltimore—Oct. 5, by State Roads Comn., 601 Garrett Bldg., steel and concrete girder bridge over Baker St., Contr. BC-59. J. N. Mackall, chn.; adv. E.N.-R. Sept. 23.

North Carolina—Oct. 19, at office North Carolina State Hy. Comn., Raleigh, bridges over Pee Dee River, and Rocky Creek, in Montgomery-Stanley Counties. W. L. Craven, bridge engr.; adv. E.N.-R. Sept. 23.

Miss., Pascagoula — Oct. 4, by Bd. Supervs. Jackson Co., concrete bridge over Dog River, at Moss Point; and concrete bridge over Pascagoula River, here. K. W. Burnham, pres.; adv. E. N.-R. Sept. 23. Noted Sept. 9.

Louisiana—Oct. 5, by State Hy. Dept., Baton Rouge, Bayou Vidol Bridge on Tallulah-St. Joseph Highway, Federal Aid Project 134-B, Madison and Tensas Counties. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

Ohio—See "Streets and Roads."

O., Cleveland — Oct. 1, by City, reconstructing steel work Clark Ave. Bridge. $25,000. R. Hoffman, City Hall, engr.

O., Dayton — Oct. 18, by Comrs. Montgomery Co., repairing 5 span, rein.-con. arch bridge under side of arches and faces of piers by gunite application. $30,000. W. O. Pease, Court House, co. surv.

Ind., Anderson—See "Streets and Roads."

Michigan — Oct. 1, (extended date) by State Hy. Dept. at Sandusky, S. R. Bridge 742302, 110 ft. Pratt truss superstructure, Sanilac Co., E. R. Benkert, Port Huron, resident engr. Noted Sept. 16.

Wis., Green Bay — City Council taking bids replacing west steel span of Mason St. Bridge, recently damaged by passing boat. $60,000. W. L. Kerr, city clk.

Iowa — Sept. 28, by State Hy. Dept., Ames., 13 culverts, 2 pony truss and 1 high truss bridge also repairing abutments, on Primary Project 359, Jefferson Co.; one 120 x 20 ft. high truss bridge with four 32 ft. span I-beam approaches on concrete piers, on Federal Aid Project 52, Audubon Co. F. R. White, ch. highway engr.

Mo., Louisiana — Oct. 5, by Missouri-Illinois Bridge Co., c/o Harrington, Howard & Ash, consult. engrs., 315 North 7th St., St. Louis, or W. R. Compton Co., St. Louis, constructing Mississippi River Bridge, here; adv. E.N.-R. Sept. 23. Noted Aug. 12.

Tex., Albany—See "Streets and Roads."

Tex., Barstow—See "Streets and Roads."

Tex., Barstow—Sept. 29, by H. Moseley, chn. State Hy. Comn., Austin, one 154 ft., one 126 ft., one 1,400 ft. and one 112 ft. concrete pile trestles on Highway 1, Ward Co. $91,000. G. G. Wickline, Austin, state bridge engr.

Tex., Cold Springs — See "Streets and Roads."

Oklahoma—Oct. 12, by State Hy. Dept., Oklahoma City, 4 span 390 ft. steel truss bridge on concrete piers at Ravia, Johnston Co., $86,000; and 2 span 170 ft. steel truss bridge at Haywood, Pittsburg Co., $27,000. J. M. Page, highway engr.

California — Oct. 4, at office State Hy. Comn., Sacramento, two rein.-con. slab bridges one 18 ft. span and other six 18 ft. spans across La Placerita Creek about ¼ mile north of Newhall, Los Angeles Co. R. M. Morton, highway engr.

Calif., Los Angeles—Oct. 4, by Supervs. Los Angeles Co., seven 60 ft. Howe truss span wooden truss bridge, 27 ft. roadway, pile piers and timber bulkheads over Rio Hondo.

Bids Received

Massachusetts—Comrs. Essex Co., Salem, Sept. 17, reconstructing concrete and granite abutments East Saugus Bridge, from G. M. Bryne, 28 Church St., Winchester, Sect. A, $25,090 and Sect. B. $34,550. Noted Sept. 16.

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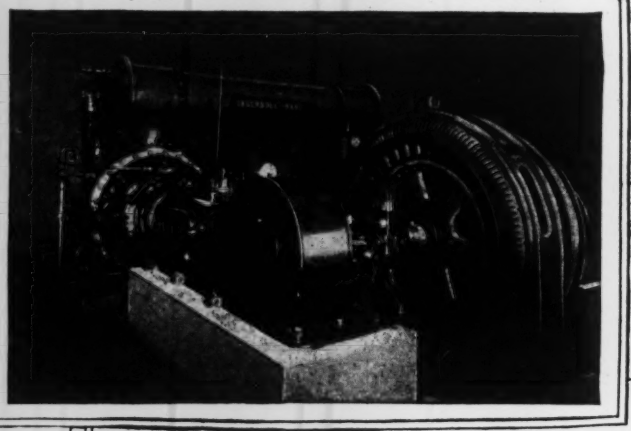

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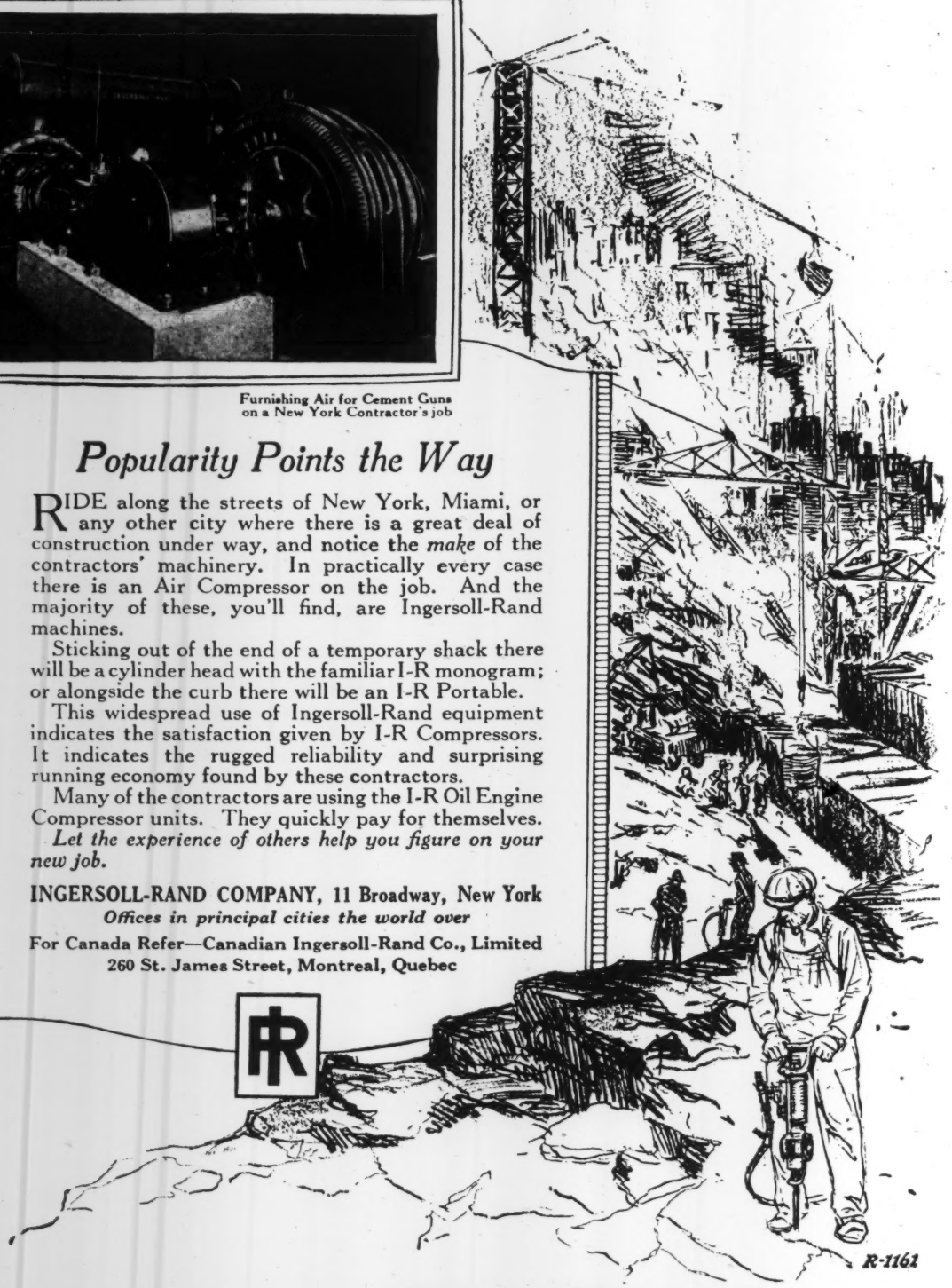

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Ingersoll-Rand

Bridges (Continued)

Connecticut—State Hy. Dept., Hartford, rein.-con. T-beam slab, abutments and wing walls, Saco Brook, on Boston Post Rd., in Fairfield and Westport, from Gray Eng. & Constr. Corp., Greenwich, $21,696; 9 concrete slab girder and concrete encased I-beam bridges "Bulls Head Rd." in Plymouth and Harwinton, from F. F. McCarthy, Newtown, Mass., $64,824; three 35 ft. span concrete girder bridge, Shepaug River Route 125, in Roxbury, from Immick Co., State St., Meriden, $35,941.

N. Y., New York—A. Goldman, comr. Plant and Structures, Municipal Bldg., Sept. 16, reconstructing High Bridge, over Harlem River, between Manhattan and Bronx Boros from P. T. Cox, Contg. Co., 154 Nassau St. $1,188,800. Noted Aug. 19.

Tex., Groveton—See "Streets and Roads."

Calif., Alameda—Alameda Co., rein.-con. bridge over Alameda Creek, from Municipal Constr. Co., 4323 West 14th St., Oakland, $51,425. Noted Aug. 26.

Contracts Awarded

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridges and culverts on Project 480, Wake Co., to J. F. Kitchen, St. Pauls, $32,783.

O., Girard—Trumbull Co., 2,000 ft. span bridge over Mahoning River, Erie, Baltimore & Ohio and Pennsylvania R.R. tracks, on Liberty St. and Marshall Rd., here, to Stange Constr. Co., 2315 Fairmount Rd., Cleveland, $766,753. Noted Aug. 12.

Kan., Hill City—Graham Co., thirteen 30 ft. span concrete girder bridges and 0.336 mi. earth approaches, to J. M. Wilson, Argonia, $22,677 and $5,991 respectively.

Kan., Wichita—See "Streets and Roads."

Missouri—State Hy. Dept., Jefferson City, to Newton Constr. Co., Columbia, 24 ft. rein.-con. slab span, etc. over stream, Audrain Co. $2,295; to Buffalo Constr. Co., Buffalo, three 20 ft. rein.-con. slab spans, etc., over creek, St. Clair Co. $4,313; to Zeigler Bros., Junction City, Kan., two 12 ft. rein.-con. slab spans, etc. over creek, Livingston Co. $4,084; to Knutson Bros. Constr. Co., Chariton, two 12 ft., four 20 ft. and two 24 ft. rein.-con. slab, also two 30 ft. and 45 ft. rein.-con. deck girder spans, etc. over creek, Schuyler Co. $25,279; to Kelly & Underwood, Granby, 30 ft. rein.-con. deck girder on State Project 44, Sect. 15, Barry Co. $3,979; to W. A. Ross Constr. Co., Kansas City, two 12 ft. rein.-con. spans over stream $4,108, three 35 ft. rein.-con. deck girder and four 60 ft. steel truss spans, etc. over Noix Creek $32,566 all Pike Co; to Carte-Harlin Constr. Co., West Plains, 24 ft. rein.-con. slab span, etc. over branch Yadkin Creek $2,634, and three 45 ft. rein.-con. deck girder spans, etc over Whittenburg Creek $9,501, Crawford Co., two 30 ft. and 35 ft. rein.-con. deck girder spans, etc. over Chicago, Burlington & Quincy R.R. tracks, Macon Co. $7,951; to Richmond Constr. Co., Advance, three 16 ft. rein.-con. slab and 45 ft. rein.-con. deck girder spans, etc. over Little St. Francis River, St. Francis Co. $5,679; to C. H. Atkinson Paving Co., Watertown, S. D., fifteen 20 ft. I-beam spans, etc. over Grand River $12,719, also widening 300 ft. and 60 ft. I-beam trestles over overflow of Grand River, $2,292 all in Livingston Co. and to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th St., Des Moines, Ia., two 12 ft. and sixty-nine 15 ft. timber trestles, also two 45 ft. I-beam spans, etc. over St. Francis River, Dunklin Co. $37,848. Grand total $155,348. Noted Aug. 19.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, rein.-con. and steel viaducts to carry Arsenal, Sulphur and Macklind Aves. over River Des Peres, to Missouri Bridge & Iron Co., Fullerton Bldg., $36,944. Engrs. est. $41,000. Noted Sept. 16.

Tex., Marfa—Presidio Bridge Co., c/o H. E. Dupey, Marfa, 285 ft. timber and concrete bridge across Rio Grande River, to Alamo Constr. Co., c/o Brady Bldg., San Antonio, $35,000.

Ore., Gold Hill—State Hy. Dept., Salem, rein.-con. and steel bridge over Rogue River, incl. 245,000 lb. reinforcing, etc., to O. N. Pierce, 912 East 10th St., N., $54,920.

Ore., Klamath Falls—For 1,006 ft. viaduct at 6th St., to Lindstrom & Feigensen, Worcester Bldg., Portland, $75,631. Engrs. est. $80,000.

California—A. O. Stewart, 58 Sutter St., San Francisco, 2,300 ft. steel and timber bridge over Napa River, on Vallejo-Sears Point Rd., in Solano and Sonma Counties, to Duncanson-Harrelson Co., DeYoung Bldg., San Francisco, approximately $275,000.

Dams

Proposed Work

Tex., Kyle—See "Excavation, Drainage, Irrigation & Levees, River and Harbor."

Ont., London—Plans concrete dam across Thames River. $150,000. W. P. Near, City Hall, engr.

Bids Desired

N. Y., New Rochelle—Oct. 4, by Siwanoy Council, Inc., Boy Scouts of America, 18 Church St., earth dam with timber core wall, for Siwanoy Scout Camp, Wingdale Station. Sanborn & Bogert, 30 Church St., New York City, consult. engrs.; adv. E. N.-R. Sept. 23.

Railways

Proposed Work

Mississippi and Alabama—Meridian & Bigby R.R. Co., c/o S. A. Neville, Meridian, Miss., plans 50 mi. railroad from Meridian, Miss., to Myrtlewood, Ala. $1,326,000.

Illinois—Chicago, Rock Island & Pacific R. R. Co., La Salle St. Sta., Chicago, C. A. Morse, ch. engr., making preliminary Irrigation, Levees, River and Harbor."

Bids Desired

Illinois—See "Contracts Awarded."

Contracts Awarded

Illinois—Litchfield & Madison R.R. Co., Edwardsville, W. A. Richardson, ch. engr., will build railroad extension from point 2.69 mi. southeast of Staunton to Illinois Traction System connecting with 2.51 mi. extension of Chicago & Northwestern R.R., by own forces. Noted Nov. 12.

Illinois—Chicago & Northwestern R. R. Co., West Jackson and Franklin Sts., Chicago, W. J. Towne, ch. engr., 2.51 mi. standard guage railroad, incl. grading, from point 5.5 mi. south of Benld connecting with Litchfield & Madison extension southeast of Staunton, to S. G. Cool, 130 North Weils St., Chicago.

Illinois—Southern Illinois & Kentucky R.R. Co., c/o Illinois Central R.R. Co., 135 East 11th Pl., Chicago, Ill., A. B. Blaess, ch. engr., constructing railroad yard, at East Bluford, to W. J. Zitterall Co., Hamilton State Bank, Webster City, Ia.; 500 ton coal chute, rein.-con., to Railroad Water & Coal Handling Co. Engrs. est. $500,000.

Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Tex., Harlingen—O. E. Stuan, ch. com., making preliminary plans dredging Arroyo Colorado $100,000.

Tex., Kyle—Hays Co. Water Impvt. Dist. making surveys, etc. constructing dam on Blanco River irrigating approximately 30,000 acres. $350,000. Address Co. Judge, San Marcos.

Calif., Red Rock—Directors Red Rock Creek D. D., received no bids Sept. 7, raising 3 earth dams, diversion canal, retaining walls and laterals, incl. 166,000 cu.yd. excav., 3,000 cu.yd. rip rap, etc., also 110 bridges, 60 drops and 110 checkgates. T. H. Means, 369 Pine St., San Francisco, engr.

Calif., Riverside—See "Buildings—Commercial."

Bids Desired

N. Y., Quoque—Sept. 27, by Salt Water Bays Comn., at office State Engineer, Dept. Pub. Wks., Albany, removing shoal and constructing timber bulkhead along south bank of Quoque canal, east of here, Suffolk Co.

N. J., Jersey City—Sept. 27, by Hudson Co. Park Comn., 921 Bergen Ave., filling and work connected therewith at West Side County Park. J. Filoramo, secy.; adv. E. N.-R. Sept. 23.

D. C., Wash.—Sept. 24, by Dist. Comr., Dist. Bldg., retaining walls at McKinley Technical High School site.

La., Alexandria—Oct. 15, by Comrs. Red River Atchafalaya & Bayou Boeuf D.D., 515 Commercial Bank Bldg., S. B. Pressburg, secy., 125,000 cu.yd. levee work on right bank Bayou des Glaises, from Brown to Garnier, Avoyelles Parish. State Bd. Engineers, 213 New Orleans Court Bldg., New Orleans, engr.

La., New Orleans—Oct. 14, at office Bd. Levee Comrs. Orleans Levee Dist., New Court House Bldg., approximately 1,700 lin.ft. rein.-con. sheet piling and rein.-con. cap to form bulkhead to Upper Protection Levee between Claiborn Ave. and I.C.R.R. G. L. Deano, pres.

La., Shreveport—Oct. 14, by Caddo Levee Dist., W. A. Kerley, secy., 126 Milam St., approximately 53,000 cu. yd. excav. in Cowhide Bayou Sub-Lateral. State Bd. Engineers, 213 New Orleans Court Bldg., New Orleans, engrs.

Illinois—Oct. 8, by H. E. Todt, A. W. and H. H. Zimmerman, comrs. Union D. D. 1, Montgomery Co. (Harvel) and Christian Co. (King), cleaning out main ditch and laterals, 9,151 ft. long, 3 to 6 ft. wide, etc. incl. 13,076 cu.yd. excav., also furnishing, delivering and laying drain tile, etc. J. W. Dappert, Taylorville, engr.

Calif., Beaumont—Directors Beaumont Irrigation Dist. taking bids and opens same about Oct. 5, 3 mi. pipe line. $70,000 available. Noted July 1.

Calif., La Mesa—Oct. 1, by Directors La Mesa, Lemon Grove & Spring Valley Irrigation Dist., 63,246 lin.ft. 6- to 18-in. riveted steel, de Lavaud, c.i. or equal or Matheson or equal pipe; also digging, trenching and backfilling for Maryland Heights pipe line. T. H. King, 920 8th St., San Diego, Calif., engr.

Bids Received

Calif., Woodland—Reclamation Dist. 2068 pile and timber structures, head works and corrugated iron houses for 4 pumping plants, 2 pile bent bridge, and 26,000 sq.ft. concrete lining, etc., from Coast Constr. Co., Crocker Bldg., San Francisco, $32,774.

Contracts Awarded

La., Lake Charles—Gravity D. D. 1, Calcasieu and Jefferson Davis Parishes, approximately 660,000 cu.yd. excav. in canals, to Lake Arthur Dredging Co., 560 Weiss Bldg., Beaumont, Tex., $74,709. Noted Aug. 19.

Mich., Ann Arbor—Washteneau Co., C. E. Drake, comr., Ann Arbor—Pittsfield Drain, to R. A. Mercier, 5435 Wesson St., Detroit, $69,000.

Ill., Danville—Comrs. Bear Creek D.D. of Vermilion Co., cleaning out 21,800 ft. open ditch, 6- to 10-ft. bottom width ¼ to 1 ft. slope, incl. 32,182 cu.yd. excav., to J. P. Babcock, Paris, $5,296; 5,335 ft. 14- to 18-in. tile drain, to Herr Bros., Piper City, $4,446. Noted Sept. 2.

Ill., Lawrenceville—Russell and Allison D. D., 565 cu.yd. rein.-con. retaining wall, three 72 i.t. standard automatic flood gates, 130 poles, 9,000 cu.yd. excav., etc., to J. A. Shepherd, 1802 South 10th St., Terre Haute, Ind., $19,977. Noted Sept. 2.

Ont., Port Arthur—Dept. Pub. Wks., Ottawa, dredging, here, to Great Lakes Dredging & Contg. Co. Ltd., Ottawa, $133,535.

Ont., Welland—Dept. Pub. Wks., Ottawa, construction Section 4 B Welland Canal, to J. P. Porter, St. Catherines, $647,390. Engrs. est. $600,000.

Streets and Roads

Proposed Work

Mass., Brighton (Boston P. O.)—Dept. Pub. Wks., Boston, making plans reconstructing Willis Rd., Cygnet and Benson Sts. $25,000. J. H. Sullivan, comr.

N. J., Roselle—Plans sidewalks and sheet asphalt on concrete paving 10,180 ft. various streets. $37,560. Engineer not selected.

N. C., Bryson City—Forney Creek Rd. Dist. of Swain Co., soon takes bids clearing, grubbing, bridging, grading, etc., 20 mi. roads, 16 ft. $95,000. W. M. Peyton, Asheville, engr.

S. C., Laurens—Voted $500,000 bonds, paving various roads.

Ga., Brunswick—Glynn Co. election Nov. 30, $200,000 bonds, improving roads.

Ga., Nashville—Plans paving around Court House Square and vicinity. $60,000.

Ga., Quitman—Plans paving various streets. To exceed $65,000.

Fla., Miami—Dade Co. voted $2,900,000 bonds, roads and bridges.

Alabama—State Hy. Comn., Montgomery, withdrew bids to have been opened Sept. 15 and 29, improving 82.73 mi. roads in

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Streets and Roads (Continued)

Limestone, Elmore, Marengo, Clair, Madison, Choctaw, Lawrence, Tuscaloosa, Dale and Coffee Counties. W. A. McCalla, highway comr. Noted Aug. 12 and Sept. 2.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, takes bids about Oct. 15, grading, etc. 6 mi. Pilot Mountain-Sunbright Rd., Morgan Co. C. N. Bass, highway engr.

Tenn., Chattanooga—Hamilton Co. Hy. Comm. plans reconstructing 12 mi. Chattanooga-Georgetown Rd. $40,000. Work will probably be done with state aid funds.

Tenn., Memphis—Plans grading, graveling, oiling, tar surfacing and repaving portions Jackson, Philadelphia, Evelyn and Monroe Aves. $100,000. City to pay ¼ and property owners the balance of cost. W. B. Fowler, city engr.

Tenn., Dover—Stewart Co. and State Dept. Highways & Pub. Wks., Nashville, made surveys improving 12 mi. Dover-Big Sandy Rd. C. N. Bass, highway engr. Noted Jan. 21.

Tenn., Huntington—Carroll Co. and State Dept. Highways & Pub. Wks., Nashville, making surveys improving 15 mi. Huntingdon-Gibson Co. line Rd. C. N. Bass, highway engr.

Ky., Murray—Making preliminary plans grading, curbing, guttering and sheet asphalt paving 14,700 sq.yd. State Normal Campus. $29,300. R. Wells, pres. State Normal School. Engineer not announced.

O., Akron—W. F. Peters, dir. Pub. Serv., takes bids about Jan. 1, grading, curbing, paving, etc. 775 ft. North Bway. $26,700. E. A. Kemmler, Municipal Bldg., engr.

O., Barberton—Bd. Control soon takes bids improving Locust St. between Wooster and Shannon Aves., $29,500; also Center St. between Wooster and Hopocan Aves., $26,500.

O., Cincinnati—Plans grading, bridging, sewers and concrete subway 13,200 ft. Central Pkwy. between Brighton and Ludlow Ave. 50 ft. $1,011,025. F. Raschig, City Hall, engr.

O., Portsmouth—Making plans widening, grading, curbing, etc. 2½ mi. Gallia St., 33 ft. $225,000. T. Edwards, city clk.

Michigan—A. M. Hopperstead, resident engr., Crystal Falls, received no bids Sept. 11, regraveling 8.6 mi. T. L. 35-7, Marquette Co., for State Hy. Dept., Lansing. $40,000.

Ill., Champaign—Grading, curbing, guttering and 7-in. concrete paving 17,105 sq.yd. Vine St., Columbia and Harris Aves., to M. S. Hecker, 217 South Water St., $64,099. Noted Sept. 16.

Ill., Chicago—Cook Co. Highway Dept. making plans and soon takes bids concrete paving 1.6 mi. Ashland Ave., $72,000; and 2.25 mi. Western Ave., $101,250. G. A. Quinlan, County Bldg., supt.

Ill., Galesburg—Plans grading, curbing, guttering and vitr. brick paving 5 blocks Maple Ave., $27,209, and 2 blocks Phillips St., $7,072. A. L. Richey, City Hall, engr.

Ia., Sioux City—Soon takes bids curbing and concrete paving 17,500 sq.yd. Dace Ave., Dupont and 7th Sts. $38,488 or more. L. N. Hintgen, City Hall, engr.

Minn., St. Cloud—Making plans paving 9 blocks 6th Ave. $35,000. J. D. McKenzie, city clk.

Minn., Two Harbors—Lake Co. making plans grading, etc. 7 mi. Ely-Fernberg Rd. $25,000. H. C. Hanson, Two Harbors, co. engr.

Kan., Emporia—Lyons Co. plans grading, gravel, concrete or brick surfacing, etc. 6.114 mi. Federal Aid Project 260-A, 18 ft. W. S. Ruggles, Emporia, engr.

Kan., McPherson—McPherson Co. plans grading etc. 9.04 mi. Federal Aid Project 287-A, 28 ft. G. D. Johnson, McPherson, engr.

Kan., Olathe—Johnson Co. plans grading, concrete or brick paving, etc. 6.489 mi. Federal Aid Project 315-C, 18 ft. E. J. Terrill, Olathe, engr.

Kan., Smith Center—Plans grading, etc. 8.393 mi. Federal Aid Project 364-A, 28 ft. H. L. Everet, Smith Center, engr.

Kan., Syracuse—Harper Co. plans grading, sand clay surfacing, etc. 7.445 mi. Federal Aid Project 361-A, 18 ft. H. A. Rowland, Syracuse, engr.

Ark., McGehee—Making preliminary plans grading, curbing, guttering and paving 45 blocks various streets. E. Hale, 218 Citizens Bank Bldg., Pine Bluff, engr.

Ark., Pine Bluff—Making preliminary plans grading, curbing, guttering and concrete sidewalks on various streets in Linden Heights, Dist. 3. E. Hale, Citizens Bank Bldg., engr.

Ark., Little Rock—Fourche River Land Co., 213½ West 2nd St., takes bids about Sept. 30, grading, curbing and concrete paving, etc., 4 mi. in 200 acre subdivision, on Harrison St. Private plans.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, making preliminary plans grading and concrete paving alleys in City Blocks 985, 2847, 2857, 3017, 3565, 5252, 5273, 5320, 5354, 5463, 5465, 5478, 6577, 5747 and 5874, $54,370. W. W. Horner, 300 City Hall, engr.

Mo., Unionville—Making preliminary plans grading, curbing and 6 in. concrete paving 12 blocks Main St.

Mo., University (Sta. St. Louis)—City Clerk, rejected bids, Sept. 8, grading, curbing and asphaltic penetration or asphaltic concrete paving 9,550 sq.yd. Ferguson St.; and awarded concrete paving 2,515 sq.yd. Kingsland St. and 1,460 sq.yd. alley in Vernon Pl. subdivision, to F. C. Stolle, Buder Bldg., St. Louis, $7,800 and $3,249 respectively.

Texas—State Hy. Dept., Austin, making preliminary surveys hard paving 18 mi. roads in western section of Kerr and Real Counties. $290,000. $100,000 to be supplemented from C. Schreiner, Kerrville. S. K. Mason, Kerrville, co. engr.

Tex., Athens—Making plans concrete paving 2 mi. Highway 40, 1 mi. Highway 31, and on both highways in city limits, 18-20 ft. $225,000. Address G. H. Curlee, Athens, co. judge.

Tex., Big Lake—Soon takes new bids 3 in. brick on 8-in. macadam paving 14,000 yd. various streets. $50,000. Former contract rescinded. Noted Aug. 12.

Tex., Coleman—Coleman Co. making plans 2½ in. bituminous macadam on sledged stone paving 5.57 mi. Highway 23, extending northeast of here, $76,000; 6.08 mi. same road from Burkett to Callahan Co. line, $79,350; and 6.05 mi. same road from point 11 mi. northeast of Coleman to Pecan Bayou, $83,700, all foregoing 18 ft. J. Gresham, Coleman, engr.

Tex., Conroe—Montgomery Co. making plans grading, bridging and gravel surfacing 26 mi. Highway 105, 18 ft. $208,000. J. R. Spiller, Conroe, co. engr.

Tex., Corsicana—Navarro Co. election soon $3,000,000 bonds, hard paving 110 mi. roads through county. W. W. McClendon, Corsicana, co. engr.

Tex., Dallas—Dallas Co. making plans rein.-con. paving 0.703 mi. Highway 6, between city limits and Mockingbird Lane, 20 ft. $30,000. R. H. Clinger, Dallas, engr.

Tex., Falfurrias—Making plans caliche and rock asphalt surfacing 20.152 mi. Highway 12, Federal Aid Proect 2, Brooks Co., $275,000; also 2.52 mi. same road, Federal Aid Project 429-1, $35,000. J. E. Johnson, Falfurrias, engr.

Tex., Galveston—Galveston Co. making plans grading, bridging and rein.-con. paving 3.33 mi. Highway 6, 18 ft. $174,960. C. C. Washington, Galveston, co. engr.

Tex., Harlington—Voted $125,000 bonds, hard paving 40 blocks various streets. $125,000. D. W. Schuebach, city secy.

Tex., Hebbronville—Jim Hogg Co. making plans bituminous paving 5½ mi. Highway 12-A, from here west, to Duval Co. line $25,000; also 3.4 mi. same road extending northeast from here, to Duval Co. line, $28,000. E. J. Foster, Hebbronville, engr.

Tex., Longview—Making plans grading and surfacing 10 mi. Highway 26-A between Longview and Tatrum. $50,000. Address W. R. Hughes, Longview, co. judge.

Tex., Mercedes—Making preliminary plans permanent paving various streets. $60,000. Address J. E. Haynes, mayor.

Tex., Palo Pinto—Palo Pinta Co. making plans and takes bids about Oct. 9, crushed stone with double bituminous paving 8.347 mi. Highway 24, Federal Aid Project 437-A, 18 ft. $228,450. G. W. Courter, Courthouse, Ft. Worth, co. engr.

Tex., Raymondville—Willacy Co. making plans grading, bridging and concrete paving 18.206 mi. Highway 96, 18 ft. $600,000. J. E. Johnson, Raymondville, co. engr.

Tex., Slaton—W. H. McKira an, mayor, takes bids about Sept. 25, 2½ in. brick on 4 in. concrete paving 15 blocks various streets. $30,000.

Tex., Spearman—Making plans grading, curbing and vitr. brick paving 17,700 sq.yd. various streets in business district. $75,000. F. E. Devlin, Wichita, Kan., engr.

Tex., Vernon—Making preliminary plans permanent paving 23 blocks various streets. $75,000. J. B. Nabors, Vernon, engr.

Tex., Wichita Falls—Election Sept. 30, $150,000 bonds, paving various streets. W. E. McBroom, city secy.

Okla., Guthrie—Plans grading, curbing and sheet asphalt paving 4,995 sq.yd. North Walnut St. $27,216. Long & Co., 1300 Colcord Bldg., Oklahoma City, engrs.

Okla., Hastings—Making preliminary plans grading, curbing and concrete paving 9,600 sq.yd. Main St. $31,000. H. C. Morris, mayor. Engineer not announced.

Okla., Hollis—Plans grading, curbing and concrete paving 26,600 sq.yd. various streets. $78,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Jefferson—Making preliminary plans concrete paving 9,000 sq.yd. Main St. $27,000. G. Harper, mayor. Engineer not selected.

Okla., Muskogee—Made surveys concrete paving 84,370 sq.yd. County Road 67. $20,000. C. R. Morgan, Court House, engr.

Okla., Oklahoma City—Plans grading, curbing and concrete paving 6,880 sq.yd. Avenue F. $27,112. B. M. Hart, City Hall, engr.

Okla., Paden—Making preliminary plans grading, curbing and concrete paving 9,870 sq.yd. Main St. $30,000. G. Winters, mayor. Engineer not selected.

Okla., Prague—Making preliminary plans grading, curbing and concrete paving 13,225 sq.yd. Barto Ave. $38,200. R. N. Geer, Prague, engr.

Okla., Shawnee—Plans grading, curbing and concrete paving 9,300 sq.yd. King St. $27,275. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Okla., Stillwater—Payne Co. voted $1,000,000 bonds, improving 72 mi. various roads. J. M. Page, Oklahoma City, highway engr.

Calif., Bakersfield—Kern Co., plans probably asphaltic concrete paving road between Ledro and Delano. $300,000.

Calif., Beverly Hills—Made plans grading, curbing, concrete paving 21,325 sq.ft. and 2 in. on 4 in. warrenite bitulithic paving 100,485 sq.ft. Camden Dr., etc.; also grading, guttering, walks and 2 in. warrenite on 4 in. asphaltic concrete paving 100,485 sq.ft. Camden Dr.

Calif., Colusa—Colusa Co. made plans improving Grimes Knights Landing Rd., 6,435 cu.yd. unclassified roadway embankment. T. D. Cain, co. clk.

Calif., Culver City—Plans paving, etc. Venice Blvd., etc. To exceed $90,000. H. O. Hanford, city engr.

Calif., Culver City—Plans paving McManus St., etc. To exceed $100,000 or more. H. O. Hanford, city engr.

Calif., Los Angeles—Los Angeles Co., made plans grading and concrete paving 326,679 sq.ft. and Co. Impvt. 303, Centinela Blvd.; curbing, sidewalks, and concrete paving 102,872 sq.ft. Co. Impvt. 493 96th St., etc.; curbing, guttering, sidewalks and concrete paving 379,526 sq.ft. Co. Impvt. 528, Holmes Ave.; and grading shaping shoulders and concrete paving 246,156 sq.ft. Co. Impvt. 556, portion Centinela Ave., to exceed $50,000; grading shaping shoulders, disintegrated sub-base, on 216,918 sq.ft. Impvt. 414, Chicago Ave., etc., to exceed $100,000; also 3 in. oil macadam paving 203,995 sq.ft. Co. Impvt. 460, portion Lake Ave.

Calif., Montebello—Made plans guttering, sewers and 8 in. concrete paving 60,000 sq.ft. portion Cedar St. C. P. Harnish, 1112 Hollingsworth Bldg., Los Angeles, engr.

Calif., Ontario—Made plans grading and 4 in. asphaltic concrete paving 160,000 ft. Bonview Ave.

Calif., San Diego—Common Council plans improving North 17th, 18th Sts., etc., 1,791 sq.ft. sidewalks, 12,176 ft. concrete curbing, 10,133 cu.yd. excav., etc. F. A. Rhodes, city engr.

Calif., San Diego—Common Council plans grading, etc. 82,276 cu.yd. Coronado Ave., Del Mar St., etc. F. A. Rhodes, city engr.

Calif., Santa Ana—Orange Co. plans widening and paving road between Fullerton and Anaheim. To exceed $250,000. J. L. McBride, Santa Ana, co. road comr.

Ont., Trafalgar—Twp. Council plans constructing 2 mi. cement highway. $40,000. S. H. Albertson, Trafalgar, engr.

Ont., Trafalgar—Plans concrete paving 10,000 sq. yd. Morrison and Lynbrook Rds. $25,000-$30,000. R. F. Smith, Oakville, engr.

Bids Desired

Mass., Barre—Sept. 28, by Dept. Pub. Wks., Boston, bituminous macadam paving 2,374 ft. highway, here. W. F. Williams, comr.

Mass., Randolph—Sept. 28, by Dept. Pub. Wks., Boston, bituminous surfacing 1,400 ft. highway, here. W. F. Williams, comr.

N. Y., Brooklyn—Sept. 29, by J. A. Gulder, pres. Brooklyn, Boro, Boro Hall, grading and sheet asphalt repaving Surf Ave.; sidewalks on 24th Ave.; also grading, curbing and flagging East 5th and 72nd Sts.

N. Y., Buffalo—Sept. 30, by J. J. Love, comr. Pub. Wks., Municipal Bldg., paving Guilford, Reed, Sherman, Albermarle and Brinkman Sts.

N. Y., New York—Sept. 27, by J. Miller, pres. Manhattan Boro, Municipal Bldg., asphalt block on concrete paving Amsterdam Ave.; sheet asphalt on concrete paving 51st St.; and repairing wood block, granite block and oak key block paving in railroad area in Manhattan Boro.

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Streets and Roads (Continued)

N. Y., New York—Sept. 30, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., grading, curbing, sidewalks and asphalt on concrete paving East 153rd St. and Cromwell Ave.

N. Y., North Castle (mail Mt. Kisco)—Oct. 4, at office F. L. Merritt, clk. Bd. Superv., Westchester Co. Court House, White Plains, rein.-con. paving 0.37 mi. Banksville Rd., Co. Rd. 56 from Troy's Corners northerly to West Middle Patent; adv. E.N.-R. Sept. 23.

N. J., East Orange—Sept. 27, City Council, L. E. Rowley, clk., grading, curbing, and 2 in. National, 2 in. Warrenite-bitulithic, or 3 in. sheet asphalt on 6 in. concrete paving 700 sq.yd. Norwood Pl., 3,800 sq.yd. South Arlington Ave., and 3,900 sq.yd. McKay Ave.; also 1,500 sq.ft. concrete sidewalks on Hollywood Plaza.

N. J., Newark—Sept. 29, by T. L. Raymond, dir. Dept. Pub. Affairs, City Hall, grading, curbing, flagging and asphalt paving Avenue C, Passaic Ave., Kempel, Academy, and South 10th Sts.

N. Y., St George—Sept. 27, by J. A. Lynch, pres. Richmond Boro, Boro Hall, bituminous concrete paving Maine Ave., Water and Catherine Sts.

New Jersey — Oct. 11, by State Hy. Comn., Trenton, widening Route 14, Sects. 12 and 13, Corbin City Cutoff and Estellville Widening, Atlantic and Cape May Counties. A. L. Grover, secy.; adv. E. N.-R. Sept. 23.

Md., Baltimore—Sept. 29, by Bd. Awards, grading, curbing and sheet asphalt paving 7,500 sq.yd. streets listed in Contr. 368; concrete paving 25,300 sq.yd. Contr. 369; also grading and concrete paving alleys in Contr. 122. S. Purcell, highways engr.

W. Va., Huntingdon—Sept. 27, by Bd. City Comrs., grading, curbing and paving Miller and Shelton Rds. A. B. Maupin, city engr.

W. Va., Wheeling—Sept. 28, by H. L. Kirk, city mgr., brick on concrete or rein.-con. paving 8,200 sq.yd. Warwood Ave. H. L. Arbenz, city engr.

Ala., Birmingham — Oct. 14, by City Comn., concrete-asphalt paving 13 blocks, 27th St., Ensley, 2nd Court, 6th and Clairmont Aves., 16th and 17th Sts. W., and 66th St. S., 40, 50 and 60 ft. $92,835.

Miss., Jackson—Oct. 7, by Bd. Supervrs. Hinds Co. grading, paving, etc. 8.7 mi. Jackson-Vicksburg Rd., 18 ft. H. C. Dietzer, Jackson, engr.

Miss., Kosciusko—Oct. 5, by Bd. Supervs. Attala Co., grading, etc., 10 mi. Durant-Starkville Rd., Federal Aid Project 54-A, 18 ft. $90,000. H. C. Dietzer, Jackson, engr.

Louisiana—Oct. 5, by State Hy. Dept., Baton Rouge, graveling 6.097 mi. Creston-Saline Highway, State Project 426-A, Natchitoches Parish. W. B. Robert, Reymond Bldg., Baton Rouge, highway engr.

La., Baton Rouge—Oct. 7, by Police Jury East Baton Rouge Parish, grading, curbing and concrete paving 39,000 sq.yd. North Blvd. extension and Clay Ave. T. Swart, Court House, engr. Noted Aug. 17.

Ohio—Oct. 1, by G. Schlesinger, dir. Highways & Pub. Wks., Columbus, grading, bridging and paving with **(a)** brick **(b)** concrete 1.87 mi. Sect. "D" Mansfield-Millersburg Rd., Ashland Co. **(a)** $38,325 **(b)** $37,760; 0.739 mi. Sect. "Loudonville" same road **(a)** $31,473 **(b)** $23,534; 0.581 mi. Sect. "Perrysville," same road **(a)** $39,600 **(b)** $28,398.

O., Cincinnati—Sept. 24, by Director of Pub. Wks. concrete repaving 19,000 sq.yd. Fairbanks Ave. between Prince and Delki Aves. 30 ft. $200,570. C. O. Sherrill, city engr.

O., Dayton—Oct. 1, by G. F. Baker, dir. Pub. Utilities, brick on concrete paving 800 ft. Apple St.; concrete, asphalt or brick paving 700 ft. approaches to Island Park Br., both 40 ft. $27,000. J. F. Hale, city engr.

Ind., Anderson—Oct. 4, by Comrs. Madison Co., constructing John Klumpp Jr., Otto Bolds, Harry Greyer, L. L. Cook and James M. Pennington Rds., also steel bridge over Lick Creek, on Pendleton and Newcastle Pike. $134,646. C. Forkner aud.

Ind., Lebanon—Oct. 5, by Comrs. Boone Co., constructing Hundley, Ebaugh and Hobson Rds. $52,880. M. Harvey, Lebanon, aud.

Ind., Vincennes—Oct. 5, by Comrs. Knox Co., concrete paving 1.284 mi. King Rd. $33,052. G. W. Donaldson, Vincennes, aud.

Michigan—Sept. 27, by A. R. Schaefer, res. engr., Newberry, two course graveling 51,617 sq.yd. T. L. 67-2, Alger Co. for State Hy. Dept., Lansing.

Michigan—Sept. 30, by G. H. Green, res. engr., Alpena, concrete paving 68,789 sq.yd. T. L. 10-48 Sect. A. Bay and Arenac Counties for State Hy. Dept., Lansing. Noted Sept. 9.

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Michigan — Oct. 6 (extended date), by H. C. Fleming, resident engr., Grand Rapids, concrete paving 0.7 mi. F. A. 155, Sect. A, 22 and 27 ft., Ottawa Co., for State Hy. Dept., Lansing. Noted Sept. 23.

Michigan — Oct. 6, by H. G. Oakes, resident engr., Cadillac, concrete paving 16,627 sq.yd. T. L. 57-1, Sect. B, Charlevoix Co., for State Hy. Dept., Lansing. Noted Sept. 9.

Michigan — Oct. 6, by A. R. Schaefer, resident engr., Newberry, two course graveling 35,096 sq.yd. F. A. 143, Sect. A, Mackinac Co., for State Hy. Dept., Lansing.

Michigan—Oct. 8, by State Hy. Dept., at office Division Engineer, Room 401 State Office Bldg., Lansing, concrete paving 21,295 sq.yd. T. L. 30-13, Ingham Co. C. Vinton, Jackson, resident engr.

Ill., Chicago — Sept. 29, by Bd. Local Impvts., Room 207, City Hall, concrete sidewalks on 80 various streets and avenues. J. J. Sloan, pres.

Ill., Rushville — Sept. 27, by Bd. Local Impvts., City Hall, grading, curbing, guttering and 7 in. rein.-con. paving, etc. 8,938 sq.yd. North Liberty Street Paving Dist. $35,500. Caldwell Eng. Co., 36 North Side Sq., Jacksonville, engrs.

Iowa—Sept. 28, by State Hy. Dept., Ames, gravel surfacing 9.805 mi. Federal Aid Project 166, Clayton Co., 4.882 mi. Federal Aid Project 266, Grundy Co., on primary road from Guthrie Center west, Project 463, Guthrie Co.; grading 0.569 mi. Federal Aid Project 51, Guthrie Co., 2.97 mi. Federal Aid Project 3, Jefferson Co., and 8.587 mi. Project 457, Woodbury, Ida and Cherokee Counties. F. R. White, ch. highway engr.

Ia., Council Bluffs—Sept. 30, by City Council, curbing and concrete, asphalt, Warrenite bitulithic, brick or asphaltic concrete paving 18,859 sq.yd. various streets. $26,000. B. F. Walker, Council Bluffs, city engr.

Ia., Eddyville—Sept. 27, by I. S. Burton, city clk., curbing, guttering and paving 8,960 sq.yd. 3rd and Walnut Sts. $25,000. Brown & Cook, Ottumwa, engrs.

Ia., Hampton—Sept. 28, at office Auditor Franklin Co., gravel surfacing 5.134 mi. road in Secondary Dist. 27, 5,250 cu.yd. gravel and 24,500 units ½ mi. haul; also Secondary Dist. 31, 3,100 cu.yd. gravel and 2,000 units ½ mi. haul, etc. M. E. Hickethier, Hampton, co. engr.

Ia., Primghar—Sept. 28, at office Auditor O'Brien Co., gravel surfacing 13 mi. secondary roads.

Minnesota—Oct. 5, by State Hy. Comn., St. Paul, **(S. P. means State Project and F.A.P. means Federal Aid Project)**, grading 277,000 cu.yd. S. P. 2-34, F.A.P. 386, 124,000 cu.yd. S. P. 3-29, Sect. 2, F.A.P. 394, 187,000 cu.yd. S.P. 3-48, Sect. 2, Divs. A and B, F.A.P. 377, 99,000 cu.yd. S.P. 3.52, F.A.P. 394, 245,000 cu.yd. S.P. 4-24, Sect. 2, F.A.P. 395, 105,000 cu.yd. S.P. 5-30, Sect. 2, F.A.P. 345, 179,000 cu.yd. S.P. 5-32, Sect. 2, F.A.P. 397, 168,000 cu.yd. S.P. 7-40, Sect. 1, F.A.P. 365, 308,000 cu.yd. S.P. 14-24, Sects. 2 and 3, F.A.P. 355 and 135,000 cu.yd. S.P. 40-21, Sect. 2, F.A.P. 384, 94,000 cu.yd. S. 61-22; concrete paving, etc. 145,700 sq.yd. S.P. 1-43, Divs. H. and C, F.A.P. 2, 211,000 sq.yd. S.P. 2-24, Divs. A, B and C, F.A.P. 129, 153,500 sq.yd. S.P. 3-34, F.A.P. 303, 1,630 sq.yd. S.P. 3-38, Sect. 2, F.A.P. 147 and 59,616 sq.yd. S.P. 3-45, Sect. 2, F.A.P. 25; also graveling 20,800 cu.yd. S.P. 11-28, Div. A. State furnishes cement.

Kan., Cimarron—Oct. 1, by Clerk Gray Co., grading, etc. 72,492 cu.yd. Federal Aid Project 56-C. W. Barton, Cimarron, co. engr. Noted Sept. 2.

Kan., Ft. Scott—Oct. 19, by Clerk Bourbon Co., grading, bituminous macadam surfacing, etc. Federal Aid Project 339-A. H. McCurley, co. engr. Noted Sept. 16.

Kan., Kansas City — Oct. 4, by County clk., Wyandotte Co. bituminous macadam concrete paving 0.723 mi. 16 ft. Leavenworth Rd. O. K. Williamson, Kansas City, engr.

Kan., Kansas City—Oct. 12, by Clerk Wyandotte Co., grading, guttering and concrete paving, etc., 28,143 sq.yd., Federal Aid Project 309-C, O. K. Williamson, Kansas City, co. engr. Noted Sept. 9.

Kan., Wellington — Oct. 15, by Clerk Sumner Co., improving 2.989 mi. Federal Aid Project 354-A, 23,575 cu.yd. excav., 31,735 sq.yd. concrete or vitr. brick paving, 20,320 lb. reinforcing, 120 ft. guard fence, 1,100 ft. hedge, etc. J. W. Mavity, Wellington, co. engr.

Nebraska—Sept. 30, by C. R. Hacker, clk. Nemaha Co., Auburn, improving 6 mi. State Aid 12, 46,500 cu.yd. excav., 30,000 cu.yd. overhaul, 76,000 sq.yd. 3 in. graveling, etc. R. L. Cochran, Lincoln, state highway engr.

Tex., Albany — Sept. 28, by R. Dyess, judge Shackleford Co., grading, bridging, etc. 13,596 mi. Highway 8 x 18, 26 ft. $42,000. J. E. Pirie, Albany, engr. Noted Apr. 29.

Tex., Barstow—Sept. 29, by H. Mosely, chn. State Hy. Comn., Austin, grading, bridging and caliche or gravel surfacing, etc., 4.596 mi. Highway 1, 26 ft. $54,000. A. A. Ririe, Alpine, div. engr.

Tex., Cold Springs — Sept. 28, by J. R. Spiller, co. engr., Cold Springs, grading and bridging 5.871 mi. Highway 35, Federal Aid Project 426-B, for San Jacinto Co. $75,420.

Tex., Sherman — Oct. 11, by O. S. Ellingson, city mgr., curbing, guttering, paving, etc. 107,000 sq.yd. various streets. $175,000. Noted Sept. 16.

Oklahoma—Oct. 12, by State Hy. Dept., Oklahoma City, grading, paving, etc. 145.58 mi. roads in Comanche, Craig, Garfield, Garvin, Haskell, Kingfisher, Le Flore, Mayes, McClain, Murray, Noble, Pawnee, Rogers, and Stephens Counties. $926,309. J. P. Page, highway engr.

Idaho—Oct. 1, Comrs. Pub. Wks., Court House, Sandpoint, improving, grading, crushed rock or gravel surfacing, etc. 10,169 cu.yd. Federal Aid Project 95-E, Bonner Co. P. E. Oxley, Lewiston, dist. engr.

Washington—Oct. 5, by State Hy. Dept., Olympia, crushed gravel resurfacing 8,785 cu.yd. highway in Kitsap Co.

California—Oct. 11, by State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 0.3 miles at Ellwood Overhead Crossing, Santa Barbara Co.; and concrete paving 8.4 mi. road between Sea Cliff and Ventura, Ventura Co. R. M. Morton, Forum Bldg., Sacramento, engr.

Calif., San Gabriel — Oct. 5, by City Trustees, 1 in. oil macadam paving, etc. 112,275 sq.ft. Palm Ave., etc.

Cuba—Sept. 27 (extended date) by Dept. Pub. Wks., Santa Clara Convent, Havana Constructing Central Highway, here. $120,000,000. C. M. DeCespedes, secy. (unofficial) Noted Sept. 2.

Bids Received

Massachusetts—Dept. Pub. Wks., Boston, Sept. 14, bituminous macadam paving 2,800 ft. highway in Saugus, from Greenough Constr. Co., Acton, $16,744; graveling and macadam paving, etc. 2,700 ft. in Bellingham from T. J. Quinn, Ashton, R. I. $12,780. Noted Sept. 9.

Mass., Boston—Metropolitan Dist. Comn., 1 Ashburton Pl., Sept. 15, grading, surfacing and concrete bridge on Old Colony Parkway, from Coleman Bros., 245 State St. $118,971. Noted Sept. 9.

Connecticut—State Hy. Dept., Hartford, rein.-con. paving 8,300 ft. highway in Old Saybrook, from L. H. Callahan, Bristol, R. I. $92,657, 29,345 ft. in Danbury, Redding and Ridgefield, from Lane Constr. Co., 37 Colony St., Meriden $267,510, 9,920 ft. in Norfolk, also 874 ft. rein.-con. paving and 225 ft. concrete bridge floor slab in New Milford, from J. Mascotti, Torrington, $115,307 and $19,395 respectively; 10 in. waterbound macadam paving 6,871 ft. in Salisbury and 7 in. waterbound macadam paving 15,700 ft. in Harwinton, from New Haven Rd. Constr. Co., 70 Hill St., New Haven, $64,661 and $97,573 respectively; grading and railroad crossing elimination in Berlin, from D. V. Frione, New Haven, $41,849. Noted Aug. 26.

N. Y. Brooklyn — J. A. Guider, pres. Brooklyn Boro, Horo Hall, Sept. 15, granite paving King St., from B. Greico, 44 Russell St., $16,585; sidewalks on Pacific St., from J. H. Gearhart, Inc., 50 Church St., New York City $1,024; and Forbell Ave., from A. E. Castle Inc., 3300 Tilden Ave. $686; asphalt paving Dumont Ave., from Uvalde Asphalt Paving Co., 1 Bway., New York City, $8,674, Luquer Ave., from Cranford Co., 52 9th St. $12,396, Melrose St. and Avenue U, from Borough Asphalt Co., 1301 Metropolitan Ave., $51,988 and $113,749 respectively; Westminister Rd., from Brooklyn Alcatraz Asphalt Co., 407 Hamilton Ave., $30,221. Noted Sept. 9.

New York—A. W. Brandt, comr. Highways, Albany, **(e. e. means engineers estimate)** improving 1.14 mi. Highway 8263, Banksville-North Castle Rd., Part 1, Westchester Co., from J. H. Gordon, 91 North Pearl St., Albany, $75,525 e. e. $87,429; 2.3 mi. Highway 1743, Stockton-Burnhams Rd., Chautauqua Co., from Houston & Burns, Burdette $107,062 e. e. $143,555; 4.2 mi. Repair Contr. 3155, Highway 5156 and 5387, Peeksville-Fishkill Rd., Parts 2 and 3, Putnam Co., from L. C. Carchia, Kinderhook, $326,964 e. e. $432,596; 1.06 mi. Highway, 1738, Murray-Kendall Rd., Part 1, Orleans Co., from Oatka Eng. & Constr. Corp., Warsaw, $74,851 e. e. $111,814; 0.42 mi. Repair Contr. 1543, Highway 142, Saugerties-Woodstock Part 3, Ulster Co., from D. Schoentag, Inc., Saugerties, $34,695 e. e. $38,625; 3.85 mi. Repair Contr. 3154, Highway 91, Nyack Turnpike, Rock-

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and Co., from Hogeboom & Campfield, Inc., Kingston, $277,854 e. e. $368,952; 0.2 mi. Repair Contr. 1546, Highway 5253, Jasper-Addison Rd., Steuben Co., from Curry & Macy Inc., Rochester, $34,533 e. e. $42,642; mi. Repair Contr. 1542, Highway 611, Malta-Saratoga Rd., Saratoga Co., from C. Hansen, 45 Glen Ave., Troy, $171,732 e. e. $235,159; 3.71 mi. Repair Contr. 1545, Highway 5301, Bayshore-Brookhaven Town Line Rd., Suffolk Co., from New York Willite Paving Corp., Rochester, $168,150 e. e. $214,863; 3.13 mi. Repair Contr. 1544, Highway 69, Main St., Part 1, Erie Co., from Peoples Paving Co., Inc., 85 Roma St., Buffalo, $365,695 e. e. $467,010; 0.34 mi. Highway 1720-B, Riverhead-Mattituck Rd., Part B, Suffolk Co., from D. Kraft, Burtis Ave., Oyster Bay, $20,829 e. e. $24,015; 7.55 mi. Highway 8260; Varysburg-Attica Rd., Wyoming Co., from W. J. Knauer, Jamestown, $366,450 e. e. $512,794; 0.61 mi. Highway 1742, Sandusky-Fairview Rd., Cattaraugus Co., from McKibben-Rockwell Corp., Hornell, $33,416 e. e. $42,315. Noted Sept. 2.

N. Y., New York—J. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Sept. 16, from C. Helbock Co., Inc., 633 Wales Ave., granite block paving Canal St., $27,622; from L. Di Minna, Inc., 2333 Lorilard Pl., grading Colden Ave. $12,023, and sidewalks on Hollywood Ave., $2,057; from F. Mascali, 2550 Colden Ave., Hollywood Ave. $2,057; from F. Gabrielle, Inc., 1129 8th Ave., Crosby Ave $10,631; from Asphalt Constr. Co., Inc., 2197 Madison Ave., bituminous paving Van Cortland Ave. $56,413 and sheet asphalt paving East 172nd St. $15,913; from Brusstar Constr. Co., 157th St. and Harlem River, College Ave. $21,152, Avenue St. John $8,431, Walton Ave. $39,456, and Forest Ave. $12,088; from Gaffney Constr. Corp., Grand Central Terminal, East 172nd St. $9,883, and Kingsbridge Ave. $41,832. Noted Sept. 9.

Pa., Pittsburgh—Controller Allegheny Co., grading and concrete paving 1,184 ft. Evergreen Rd., 60 ft., from Booth & Flinn Ltd., Forbes St., $31,029 engrs. est. $35,000; also rein.-con. paving, etc. 8,015 ft. Castle Shannon Rd., from Dinlus Benintand Co., West Liberty Ave., $154,875 engrs. est. $150,000.

Maryland—State Rd. Comn., Baltimore, sheet asphalt paving 0.68 mi. Belair Rd., Contr. BC-64, from P. Flanigan & Sons, Hartford Rd. and Baltimore & Ohio R.R. tracks, $69,396.

North Carolina—State Hy. Comn., Raleigh, Aug. 24, from M. W. London & Son, West Asheville, clearing, grubbing, grading, etc., 9.44 mi. Project 931, Graham Co., $98,244; and 9.04 mi. Project 923, Clay Co., $97,794, from W. C. Carter, Mebane; 10.52 mi. Project 158, Nash Co., $56,971; and 3.68 mi. Projects 238 and 489, Wake Co., $25,206; from N. L. Teer, Durham, 12.86 mi. Project 177, Chowan Co., $60,779; from Turner Constr. Co., Florence, S. C., 9.35 mi. Project 399, Robeson Co., $44,734; from L. J. Smith, Asheville, 6.18 mi. Project 840, Henderson Co., $72,075; from P. R. Huffstetler, Gastonia, clearing, grubbing and top soiling, etc., 5.71 mi. Project 6530, Mecklenberg Co., $27,106; from Jamison Bros., High Point, 12 mi. Project 303, Bladen Co., $86,989; from J. J. Battershill & Son, Virgilina, Va., 14.52 mi. Project 144, Halifax Co., $84,700; from Dennell & Harley, Spartanburg, S. C., grading and concrete or asphalt paving, etc., 4.98 mi. Project 830, Henderson Co., $130,610; 13.36 mi. Project 6850, Stanly Co., $284,258, and 14.53 mi. Project 6691, Rowan Co., $344,870; from Fiske-Carter Constr. Co., Spartanburg, S. C., 3.96 mi. Project 842, McDonnell Co., $102,400; from G. R. Martin, Salisbury, 9.11 mi. Project 757, Stokes Co., $216,515; from Blythe Bros., Brevard St., Charlotte, 4.96 mi. Project 6641, Richmond Co., $86,927; from Caldwell Constr. Co., Charlotte, 5.34 mi. Project 6500, Mecklenberg Co., $164,356; from Noll Constr. Co., Charlotte, 8.73 mi. Project 6350, Gaston Co., $256,387, and from Costal Constr. Co., Florence, S. C., 7.95 mi. Project 4790, Wake Co., $210,033. Noted Aug. 12.

Florida—State Road Dept., Talahassee, Sept. 8, improving 11.81 mi. Project 534, Brevard Co., from M. C. Winterburn, Graham Bldg., Jacksonville, $120,369.

Fla., Apalachicola — Concrete paving various streets, from Slattery & Henry Constr. Co., Greenville, S. C., $110,807. Engrs. est. $113,607. Noted Aug. 26.

O., Alliance—Paving Union Ave. from State St. to Southern Corporation line from J. Wilson Alliance, sheet asphalt, $26,081, and asphalt concrete $25,408. Noted May 13.

O., Cincinnati—Comrs. Hamilton Co. Aug. 27, concrete paving 14,300 sq.yd. Wesselman Rd., from Gradison Constr. Co., 1st Nat'l. Bank, $81,684, engrs. est. $85,956; tar bound macadam repaving 12,000 sq.yd. Rich Rd. from Pickelheimer & Sloan, Drake Ave., Madisonville, $15,315, engrs. est. $25,100. Noted Aug. 19.

O., Cuyahoga Falls—Widening and paving North Front St. between Pennsylvania R.R. tracks and north corporation line, to T. E. McShaffrey Co., 173 South Forge St., Akron, $26,870. Engrs. est. $30,000.

Michigan — State Hy. Dept., at office Village Clerk, Three Oaks, Sept. 7, concrete paving 9.165 mi. F. A. 236, Sect. A, 20 ft., Berrien Co., from Lewis & Fusinger, Ann Arbor, for State Hy. Dept., Lansing. $308,278.

Michigan—State Hy. Dept., at office City Clerk, Petoskey, Sept. 7, concrete paving 9 mi. T. L. 11-87, 20 ft., Emmet Co., from A. E. Green, South Haven, for State Hy. Dept., Lansing. $27,488.

Michigan—State Hy. Dept., at office Village Clerk, Parma, Sept. 13, concrete paving 1.298 mi. F. A. 89F and T. L. 17-29, 20 and 28 ft., Jackson Co., from Whitlow & Hobeck, South Haven, $41,357. Noted Sept. 2.

Michigan — C. Vinton, resident engr., Jackson, Sept. 15, concrete paving 2.655 mi. T. L. 16-34, 20 ft., Eaton and Clinton Counties, from Marsman & Tabor, Grand Rapids, for State Hy. Dept., Lansing. $80,882. Noted Sept. 9.

Michigan—R. A. Beers, resident engr., Kalamazoo, Sept. 9, concrete paving 5.903 mi. F. A. 139 Sect. A, 20 ft., Berrien Co., from Kalamazoo Constr. Co., 115 Pratt Bldg., Kalamazoo, for State Hy. Dept., Lansing, $231,484. Noted Sept. 2.

Michigan—H. G. Oakes, resident engr., Cadillac, Sept. 10, concrete paving 8.08 mi F. A. 129, Sect. D, 20 ft., Grand Traverse Co., from L. I. Goldberg, Newaygo, for State Hy. Dept., Lansing. $228,672.

Michigan—R. W. Roberts, resident engr., Saginaw, Sept. 9, concrete paving 2.291 mi. 14-59 Sect. A., 20 ft., Clare Co., from J. A. Campbell, Bay City, for State Hy Dept., Lansing. $70,841.

Michigan—A. R. Schaefer, resident engr., Newberry, Sept. 8, concrete paving 2.144 mi. F. A. 159, Sect. A, 20 ft., Schoolcraft Co., from Benzie & Son, Norway, for State Hy. Dept., Lansing. $65,193.

Michigan—A. R. Schaefer, resident engr., Newberry, concrete paving 5.906 mi. T. L. 12-64, 20-55 ft., Delta Co., from Hersey Gravel Co., Hersey, for State Hy. Dept., Lansing. $362,558.

Wis., Milwaukee—Dept. Pub. Wks., R. E. Stoelting, comr., Sept. 8, vibrolithic concrete paving Lapham St., from Czerwinski Constr. Co., 816 Clinton St. $12,589, and Pabst Ave., from Gumz & Switalski, 831-13th Ave. $6,335; also concrete paving alley, from Schwerm Bros., 50 Lee St. $5,800.

Wis., Portage—City, Sept. 10, paving 17,400 sq.yd. various streets, from Nickell-Grahl Constr. Co., Medford, concrete $45,294, and vibrolithic concrete $54,377. Noted Sept. 2.

Wis., Stevens Point—J. F. Maxfield, engr., City Hall, Sept. 8, from Garnock Constr. Co., 719 Wisconsin St., Eau Claire, paving etc., 13,600 sq. yd. Ellis, George, Prentice, Elk, 1st, Smith and Franklin Sts., vibrolithic concrete at $2.35 per sq. yd., concrete $2.19, and rein.-con. $2.39. Noted Sept. 2.

Minn., St. Paul — Sheet asphalt paving East 6th St. between Arcade and Earl Sts., from Hanlon & Okes, 1501 Merchants Natl. Bank Bldg., oil $40,489, and lake $41,652; also Otto Ave. between Cleveland Ave. and Mississippi River Blvd., from Fielding & Shepley, 216 University West, oil $103,900, and lake $105,000.

Tex., Angleton—State Hy. Comn., Austin, Aug. 31, clearing, shell and concrete surfacing 11.646 mi. Highway 58, Federal Aid Project 442-A, Unit 1, from Allen Smith, Bryan, $295,760. Engrs. est. $317,400.

Tex., Groveton—Trinity Co., Sept. 10, grading, bridging, etc. 9.773 mi. Highway 106, State Aid Project 697-A, and 9.349 mi. same road State Aid Project 697-B, from J. S. Moore & Sons, Lufkin, $44,707 and $38,678 respectively. Engrs. est. $51,345 and $45,600 respectively. Noted Sept. 2.

Tex., Houston—Permanent paving Rusk Ave. between Crawford and St. Emanuel Sts., from Scott Shambough, 1400 Dowling St., $38,411. Noted Sept. 2.

Tex., Jefferson—Marion Co., 2 in. bituminous macadam on waterbound macadam paving 71,101 sq.yd. Highway 8, Federal Aid Project 306-C, Unit 2, also 33,454 sq.yd. same road Federal Aid Project 306-A, Unit 2, from J. F. Dexter, 604 North Texas Bldg., Dallas, $80,013 and $39,575 respectively. Engrs. est. $117,050 and $56,782 respectively. Noted Sept. 2.

Tex., Waxahachie — State Hy. Comn., Austin, H. Moseley, chn., Aug. 31 grading, etc. 8.765 mi. Highway 6, Federal Aid Project 487-F, Unit 1, from F. Purvis, F & M Bank Bldg., Ft. Worth, $39,977. Engrs. est. $47,500. Noted Aug. 19.

Wash., Seattle—Bd. Pub. Wks., Aug. 27, **(e. e. means engrs. est.)** 6 in. concrete paving 14,300 sq.yd. 22nd Ave. et al., from Moceri Bros., 92d 23rd Ave., $39,588 e. e. $43,603; also 52,280 sq.yd. North 39th St. and 51,900 sq.yd. 4th Ave. N. E. et al., from Erickson Paving Co., 1550 North 34th St., $139,042 and $80,013 respectively, e. e. $167,717 and $88,669 respectively.

Wash., Seattle—Bd. Pub. Wks., 7 in. concrete paving, etc., 9,100 sq.yd. 6th Ave. N.E. et al. from Odman Contg. Co., 2534-33rd Ave. S., $25,152, engrs. est. $27,601; and sidewalks on 50th Ave. S., et al. from C. L. Creelman, 1079-25th St. N., $9,296, engrs. est. $49,261.

Wash., Tacoma—Bd. Pub. Wks., Sept. 5, paving Puyallup Ave. Dist., from J. Warter, Sr., Tacoma, $36,183. Engrs. est. $36,694.

California—State Hy. Comn., Sacramento, grading, crushed gravel or stone surfacing 1.8 mi. road between El Ciervo and Valona, Contra Costa Co., from Tieslau Bros., 2819 Grove St., Berkeley, $173,199. Noted Sept. 2.

California—State Hy. Dept., Sacramento, concrete paving 4.5 mi. road between Carpinteria and Summerland, Santa Barbara Co., from S. Hunter, Santa Barbara, $252,155.

Calif., Alhambra — Grading, curbing, walks, paving, etc. 9th St., etc., from H. E. Cox, Slavin Bldg., Pasadena, $32,951.

Calif., Berkeley—E. M. Hann, city clk., curbing, guttering and 2 in. warrenite-bituminous on 6 in. concrete paving 54,000 sq.ft. Solano Ave., from Warren Constr. Co., 1305 28th St., Oakland. $26,470.

Calif., Dunsmuir — Grading, curbing, walks and 1½ in. willite on 3½ in. asphaltic concrete paving 113,600 sq.ft. Shasta, Sacramento Sts., etc., from Pacific States Constr. Co., Call Bldg., San Francisco, approximately $63,225. Noted Sept. 9.

Calif., Fresno—Grading, curbing, guttering, walks and 2 in. on 4 in. asphalt paving 39,716 sq.ft. Railroad and Belgrave Aves., etc., from Calif. Road and Street Imp. Co., Bank of Italy Bldg. $26,848. Noted Sept. 2.

Calif., Los Angeles — Los Angeles Co., improving 5,387 ft. San Gabriel Blvd., from J. and P. Cristich, 1817 East 3rd St., $65,686; and 5,725 ft. Foothill Blvd., from C. P. Day Corp., 35 North Raymond Ave., Pasadena, $45,795.

Calif., Los Angeles — Los Angeles Co., from Pierson & Morris, 4130 Verona St., grading, curbing, guttering, sidewalks, oil and rock surfacing 36,505 sq.ft. Hoefner Ave., $5,013 engrs. est. $5,898 58,782 sq.ft. Bradshow St. $8,523 engrs. est. $10,003, and 90,689 sq.ft. Eastmont Ave. and Hasting St., $12,890 engrs. est. $15,143.

Calif., San Carlos — From Peninsula Paving Co., 58 2nd St., San Francisco, improving portions Walnut, Elm Sts., etc. 7,000 cu.yd. grading at $0.60 per cu.yd., 201,000 sq.ft. 5 in. waterbound macadam at $0.06 381,000 sq.ft. 2 in. asphaltic concrete surfacing $0.075, etc., total $95,175.

Calif., Santa Ana—Orange Co., to Griffith Co., Railway Bldg., Los Angeles, improving Newport and Fairview Aves., etc., Co. Impvt. 4, 91,530 sq.ft. 7 in. concrete paving at $0.167 per sq.ft., 38,980 sq.ft. 6 in. $0.157, and 38,430 sq.ft. 5 in. $0.146.

Calif., Santa Monica—Grading, curbing, sidewalks and 2 in. Durite on 5 in. asphaltic concrete paving, etc., Santa Monica Blvd., etc., from Griffith Co., Railway Bldg., Los Angeles, approximately $543,155.

Contracts Awarded

Mass., Boston — Dept. Pub. Wks., sheet asphalt paving Maple St. etc., to C. M. Callahan, 23 South Fairview St., Rosindale. $22,353. Noted Aug. 26.

Mass., Boston—Grading and surfacing North Harvard St., to T. J. McCue, 264 North Beacon St., Watertown. $40,064. Noted Sept. 16.

N. Y., New York — New York State Bridge & Tunnel Comn., Woolworth Bldg., granite block on concrete paving Entrance Plaza, known as Contr. 23 of Holland Tunnel, to J. Meehan & Sons, 90 West St., $196,424. Noted Aug. 26.

Mass., Walpole—Dept. Pub. Wks., Boston bituminous macadam paving 5,000 ft. highway here, to Washburn & Sheridan Constr. Co., East Taunton, $29,396. Noted Sept. 16.

New Jersey—State Hy. Comn., Trenton, grading, etc. Route 8, Sects. 6 and 7, Freehold-Highstown Rd., to Canning & Decker, 395 Grove St., Newark. $96,472. Noted Sept. 16.

Pa., Phila.—Dept. Pub. Wks., Bureau of Highways, to E. A. Mullen, 5512 Vine St., grading Millock and Theodore Sts. $2,626,

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Streets and Roads (Continued)

to Root Bros., Ridge Ave. and Righter St., Silverwood St. $1,923, and to J. E. Nolen & Sons, 64 Church Lane, Tabor St. $12,510; to Union Paving Co., 123 South 21st St., asphalt paving (assessment work) Dover St. $4,265, Rockland St. $12,011, asphalt repaving Dickinson St. $5,620, and redressed granite block repaving 52nd St. (track area) $46,376; to Eastern Asphalt Co., Penn Bldg., asphalt paving (assessment work), Church St. $7,410, Neilson St. $5,119, and asphalt repaving Moore St. $6,092, to Municipal Paving Co., 702 Catharine St., 2nd St. (track area) $9,267, to Acchione Contg. Co., 755 South Warnock St. $6,503; to W. A. Mundy, 226 South Warnock St., repairing Huntingdon St. foot bridge over Reading R. R. tracks $2,480. Grand total $124,035. Noted Sept. 16.

Delaware—State Hy. Dept., Dover, grading and paving 1.68 mi. Richardson Park-Lancaster Pike, Contr. CN30, to W. W. Truitt, Lincoln City, $57,451; 0.8 mi. Rogers-Eden Park, Contr. CN31A, to F. W. Lovett, Newark, $24,431; and 4.2 mi. Selbyville-Williamsville, Contr. CS55, to Highway Eng. & Contr. Co., Selbyville, $86,158. Grand total $168,040. Noted Aug. 19.

North Carolina—State Hy. Dept., Raleigh, clearing, grubbing, grading, etc. 4.14 mi. Project 116, Chowan Co., to N. L. Teer, Durham, $113,910; clearing, grubbing, grading, top soiling, etc. 15.72 mi. Project 584, Randolph Co., to J. F. Mulligan Constr. Co., North Wilkesboro, $141,248; grading and concrete paving, etc. 4.22 mi. Project 728, Caldwell Co., to Ziegler Bros., Greensboro, $106,711. Grand total $361,869.

Florida — State Hy. Dept. Tallahassee, improving 12.904 mi. road in Hamilton Co., to Duval Eng. Co., Dyal Upchurch Bldg., Jacksonville, $225,779; 7.11 mi. in Hernando Co., to W. P. McDonald Constr. Co., Lakeland, $117,598; and 10.03 mi. in Putnam Co., to E. R. James, Havre de Grace, Md., $81,228. Grand total $424,605. Noted Aug. 19.

Ala., Birmingham—City Comn., **(e.e. means engineer's estimate)**, concrete asphalt paving 19 blocks 31st Ave. N., 40 ft., and 8th Ave. S., 50 ft., to Dunn Constr. Co., Lincoln Life Bldg., $80,855, ee. $89,769; 5 blocks Ave. R, Ensley, 49 ft., and Terrace St., Ensley, 50 ft., to Morgan-Hill Paving Co., Woodward Bldg., $24,896, e.e. $27,900; 4 blocks 18th St., Ensley, and Eufaula and Lafayette Aves., [redacted] ft., to Southern Roads Constr. Co., 104 North 17th St., $18,276, e.e. $20,100; 2 blocks 50th and Court Sts. W., 40 ft., to J. Hamm, 1st Natl. Bank Bldg., $8,350, e.e. $9,300; 1 block 6th Ave. S., 40 ft., to J. L. Mullarky, 2400 Ave. J, Ensley, $1,983, e.e. $2,100; and 11 blocks 6th Ave. S., & 25th and North 26th Sts., to H. N. Bowdry, Alabama Power Co. Bldg., $48,091, e.e. $54,920. Grand total $182,451. Noted Aug. 5.

Miss., Gulfport—Harrison Co., grading, curbing and 2½ in. penetration macadam and Warrenite paving Beach Rd. in Beat 1 from De Vuys Rd. to Holmhaven, to Southern Paving Constr. Co., Volunteer Life Bldg., Chattanooga, Tenn., $73,389.

Tenn., Dyersburg — Dyer Co., concrete paving 30 mi. roads, to Forcum-James Contsr. Co., Obion, $350,000. Noted Aug. 26.

Kentucky—State Hy. Dept., Frankfort, **(F.A.P. means Federal Aid Project and S.A.P. means State Aid Project)**, grading, etc. 6.927 mi. Greeneburg-Hodgenville Rd., F.A.P. 126-C, Green Co. and 7.8 mi. Tompkinsville-Fountain Run Rd., S.A.P. 27-A, Monroe Co., to Mason Constr. Co., West Point $95,992 and $70,704 respectively; waterbound macadam surfacing 5.681 mi. Falmouth-Alexandria Rd., S.A.P. 21½-A, Pendleton Co., to J. M. Perkins Constr. Co., Frankfort $97,441, 6.119 mi. Nicholasville-High Bridge Rd., S.A.P. 99-A, Jessamine Co., to Gay-Coleman Constr. Co., Ashland, $67,529; rock asphalt surfacing 7.64 mi. Bowling Green-Russellville Rd., S.A.P. 1-A, Warren Co., to Raymond Constr. Co., Bowling Green, not to exceed $100,000 incl. engineering, bituminous macadam surfacing 2.891 mi. or rein.-con. surfacing 7.48 mi. Pond Gap-Seco Rd., State Aid Project 6-E and F, Letcher Co., to Codell Constr. Co., Winchester $300,519. Grand total $732,-184. Noted Aug. 5, 12 and 19.

O., Columbus — W. H. Duffy, dir. Pub. Serv., grading, asphalt paving, etc. 2,250 ft. Campbell Ave., 24 ft., to A. W. Burns Constr. Co., 424 Wooland Ave., $30,447; 949 ft. Washington Ave., 33 ft., to Knight & Wells, Columbus, $28,706; 2,009 ft. Larcomb Ave., to Cleveland Trinidad Paving Co., Grand Theatre Bldg. $26,444, 2,000 ft. Woodbury Ave., to Franklin Asphalt Paving Co. $29,056 and 2,375 ft. Loretta Ave., to Fitz-Pyle Co., 209 South High St. $29,095, all foregoing 26 ft. Grand total $143,748. Noted July 15.

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Ind., Crown Point—Lake Co., constructing R. H. McHie Rd., North Twp., to H. P. Downey Constr. Co., Hammond, $139,989. Engrs. est. $142,500. Noted Aug. 26.

Ind., Evansville—Vanderburgh Co., concrete paving Barker Ave., to Globe Constr. Co., Evansville, $28,113. Engrs. est. $34,-399. Noted July 15.

Ind., Goshen—Comrs. Elkhart Co., concrete paving 5,272 ft. Road T-2, Osolo Twp., to Bontrager Constr. Co., Elkhart, $24,570. Engrs. est. $25,697. Noted Aug. 26.

Ind., Hartford City—Comrs. Blackford Co., emulsified asphalt and concrete paving W. C. McGeath Rd., to Schneider & Kimmel, Montpelier, $20,977. Engrs. est. $26,000. Noted Aug. 26.

Ind., Princeton—Gibson Co., concrete paving O. L. Collins Rd., to J. A. Sheperd, Terre Haute, $39,967. Engrs. est. $45,897. Noted Aug. 26.

Ind., Vincennes—Knox Co., concrete paving 5.971 mi. Milton Dugger Rd., to Wabash Constr Co., Vincennes, $146,000. Engrs. est. $160,070. Noted Aug. 26.

Illinois—State Dept. Pub. Wks. & Buildings, Div. Highways, Springfield, to Chicago Heights Coal Co., Chicago Heights, concrete paving 1 mi. Route 46, Sect. 464-N, Cook Co. $35,000, to J. W. Jones, Benton. 0.8 mi. Route 1, Sect. 37-X, Johnson Co. $2,967, 3.41 mi. Route 1, Sect. 43-X, Saline Co. $61,608, and 0.96 mi. Route 2, Sect. 17-X, Pulaski Co. $19,255, to Gund-Graham Co., Crum & Foster Bldg., Freeport, Route 5, Sect. 19-W, Stephenson Co. $7,629; to Hamilton-Hoffman Constr. Co., Carbondale, concrete paving, incl. some grading, 1.01 mi. Route 13, Sect. 18, 2.18 mi. Route 13, Sect. 17-A; also one 60 ft. span concrete deck girder bridge on Route 3, Sect. 17-B and one 55 ft. and two 35 ft. span deck girder bridges on Route 13, Sect. 19-B, all Perry Co., 5.0 mi. Route 13, Sect. 20 and 20-A, and one 20 ft. span concrete deck girder bridge on Route 13, Sect. 20-W, all Randolph Co., 5.08 mi. Route 13, Sect. 19, Randolph and Perry Counties, $348,500; to E. J. Tegge Constr. Co., Papaneau, grading 1.06 mi. Route 7, Sect. E, La Salle Co., $12,692, to Central Eng. Co., Putnam Bldg., Davenport, Ia., 0.32 mi. Route 8, Sect. 40-V-1, Knox Co., $13,880, to W. C. Johnson, Belleville, concrete surfacing 0.27 mi. incl. 0.07 mi. gravel surfacing Route 3, Sect. 73-X, Randolph Co., $7,835; to D. W. Chapman, Vienna, five 20 ft. span steel I-beam bridges on Route 1, Sect. 38-F, Johnson Co. $5,496, to A. M. Munsen, Marion, Ia., three 55 ft. span concrete deck girder bridge on Route 36, Sect. 19, Johnson Co. $18,123. Grand total $532,086. Noted Aug. 12.

Ill., Abingdon—City and State, grading, curbing and concrete paving 3,125 ft. Monroe and Western Sts., to Central Eng. Co., Putnam Bldg., Davenport, Ia., $55,763. Engrs. est. $64,803. Noted July 1.

Ill., Carbondale—Grading, curbing, guttering and concrete paving streets in Paving Dists. 18 and 19, to Keeley Bros. Constr. Co., 2100 State St., East St. Louis, $28,034 and $29,410 respectively.

Ill., Murphysboro—Grading, curbing, concrete paving, etc., streets in Paving Dist. 16, to Southern Illinois Quarry & Constr. Co., Murphysboro, $25,294.

Wis., Racine—Dept. Pub. Wks., H. A. Nelson, comr., one course rein.-con. paving, etc., 31,850 sq. yd. various streets, to Western Impvt. Co., 840-9th St. at $2.65 per sq. yd.

Wis., South Milwaukee—H. W. Daehling, city clk., to Kroening Constr. Co., 39th Ave. and Mitchell St., Milwaukee, improving Hawthorne Ave., 3,300 cu.yd. excav. at $0.58 per cu.yd., 12,000 sq.yd. vibrolithic concrete paving $2.44, and concrete curb and gutter $0.80. Noted July 29.

Ia., Grinnell — To Nicholas Roofing Co., 428 Chestnut St., Des Moines, improving various streets, 21,500 sq.yd. bituminous surfacing at $0.031 per sq.yd., 350 sq.yd. reinforcing $2.48, 286 ft. curb and gutter $1, etc. This corrects report in Aug. 5 issue.

Ia., Muscatine—Muscatine Co., improving various roads, 18,085 cu.yd. excav., to Haynes & Pace, Muscatine, at $0.2525 per cu.yd., 5,519 cu.yd. channel change, to R. Garrett, Wapello at $0.45, 2,500 ft. guard rail, to V. Hendricks, Letts, $0.199, 1,600 ft. curb and gutter, to T. F. Maher, Muscatine, $0.82, 7,720 cu.yd. gravel, to Hahn-Muscatine Co., Muscatine, $1.37-$1.73, 10,-416 cu.yd. gravel 1 mi. haul, and 153,410 units ½ mi. haul, to Moore & Eldridge, Clemons, $0.38 and $0.07 respectively 11,735 cu.yd. gravel 1 mi. haul, and 35,534 cu.yd. ½ mi. haul, to Korneman Bros., Muscatine, from $0.08 to $0.52.

Ia., Newton—Sheet asphalt paving 7,880 sq.yd. and repaving 6,285 sq.yd. various streets, to J. S. McLaughlin & Sons, 519 Insurance Exch., Des Moines, $34,473.

Ia., Vinton—Benton Co., Bryant Paving Co., Waterloo, improving Federal Aid Projects 58, 233, 278 and 285, to 90,266 sq.yd. concrete paving at $2.10 per sq.yd. and 253,837 sq.yd. at $2.25, 10,046 cu.yd. gravel $1.317, etc.

Minnesota—State Hy. Dept., St. Paul **(S.P. means State Project and F.A.P. means Federal Aid Project)**, grading [redacted] cu.yd. S.P. 3-46, Sect. 2, F.A.P. 307, to Wewer & Mielkee, Daytons Bluff Station, St. Paul $26,659, 51,700 cu.yd. S.P. [redacted] Sect. 2, to Campbell McGregor and C. C. Walkup, Minneapolis $34,159, 58,000 cu.yd. S.P. 5-31, Sect. 3, F.A.P. 380, to S. J. Peterson, 2942 Pleasant Ave., Minneapolis $25,-001, 142,400 cu.yd. S.P. 10-49, F.A.P. 382, to R. B. Fraser, Northfield $44,549, 306,4[redacted] cu.yd. S.P. 22-25, F.A.P. 338, to C. Weaver, Anoka $75,546, 61,000 cu. yd. S.P. 67-21, F.A.P. 390, to C. F. Scully Equipment Co., 212 Dakota Bldg., St. Paul $43,950, and 64,000 cu.yd. S.P. 20-32, F.A.P. 391, to G. J. Grant Constr. Co., 904 Exch. Bank Bldg., St. Paul $40,379; graveling 9,600 cu.yd. S.P. 2-36, and 47,000 cu.yd. S.P. 8-46, to S. I. Reader, 209 Kasota Bldg., Minneapolis $25,662 and $65,033 respectively, 22,900 cu.yd. S.P. 6-45, to Morris Constr. Co., Morris $28,541, and 35,400 cu.yd. S.P. 7-39, Sect. 1, to H. Miller, Hartley, Ia. $25,113. Grand total $434,592. Noted Aug. 19.

Kan., Girard—Crawford Co., improving 0.5 mi. Federal Aid Project 20-A, to Schultz Constr. Co., 135 North Popular St., Wichita, $38,589.

Kan., Jetmore—Brick on concrete paving 15,000 sq.yd. various streets, to H. Taylor Constr. Co., Belleville, $55,000.

Kan., Troy—Doniphan Co., grading, etc. 10.664 mi. Federal Aid Project 349-B, to Massman Constr. Co., Kansas City, Mo., $78,852. Noted Aug. 5.

Kan., Wichita—Sedgwick Co. grading, etc. 5.053 mi. Federal Aid Project 342-A, to Schultz Constr. Co., 135 North Poplar St., Wichita, $103,780, bridges on same road, to Tomlinson Bridge & Supply Co., Garfield, $3,923. Noted Aug. 29.

Neb., Petersburg — For 6 in. concrete paving, etc. 15,000 yd. various streets, to Booth & Olson, Sioux City, Ia., $40,853.

N. D., Jamestown—Stutsman Co. graveling 20 mi. Trail 4 between Buchanan and north line of county, to Pickus Constr. Co., Sioux City, Ia. $33,588.

Missouri—State Hy. Dept., Jefferson City, to J. S. Simmons Constr. Co., La Plata, 30 ft. grading 1.329 road from Macon south, Macon Co. $7,359, to Kelly & Underwood, Granby 15.964 mi. road from Cassville west, Barry Co. $90,317, to C. F. Hoffman, Norborne, 0.114 mi. Richmond-Norborne Rd., Carroll Co. $2,613, to Carte-Harlin Constr. Co., West Plains, 4.424 mi. road from Steelville east, Crawford Co. $38,783, to Zeigler Bros., Junction City, Kan., 2.48 mi. Sect. 26, U. S. 36, Livingston Co. $25,380, to Richmond Constr. Co., Advance, 3.727 mi. road from Farmington south, St. Francois Co. $19,401, to Knutson Bros., Chariton, Ia., 4.94 mi. Sect. 1, U. S. 63, Schuyler Co. $53,490, to Newton Constr. Co., Columbia, 1.427 mi. Vandalia-Bowling Green Rd., Audrain Co. $5,049, 1.461 mi. same road, Ralls Co. $4,998, and 2.072 mi. same road, Pike Co. $5,813; to C. H. Atkinson Paving Co., Watertown, S. D., grading 2.58 mi. road from Chillicothe west, $40,323, grading and 18 ft. concrete paving 7.57 mi. road from Chillicothe north, Livingston Co. $223,-727; to M. E. Gillioz, Monett, 18 ft. chat paving 3.106 mi. road from Greenfield south, Dade Co. $12,490; to Buffalo Constr. Co., Buffalo, 18 ft. graveling 6.199 mi. road from Lowry City north, St. Clair Co. $48,-423, to J. T. Cox, Springfield, 4.923 mi. Mountainville-Birch Tree Rd. $18,494, and 2.981 mi. roads from Winona east and west $6,078, both Shannon Co.; to H. Henry, Savannah, hauling gravel for 2.5 mi. road from Stanberry north $1,889, 3.421 mi. Albany-Harrison Rd. $2,574, and 3.49 mi. Albany-Harrisonville Co. line Rd. $2,626, all in Gentry Co.; to Dobson & Robinson, Lincoln, Neb., grading and 9 ft. concrete paving 9.436 mi. Norborne-Carrollton Rd., Carroll Co. $58,073; and to W. A. Ross Constr. Co., Kansas City, grading and 18 ft. concrete paving 2.471 mi. Bowling Green-Louisiana Rd., Pike Co. $41,604, also 3.409 mi. same road $75,056, and 1.553 mi. road from Kansas City north, Clay Co. $20,647. Grand total $805,207. Noted Aug. 19.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, to Blackburn & Cream, Chouteau Trust Bldg., amiesite paving, etc. 2,215 sq.yd. Bischoff St. $20,300, sidewalks on Project 2608 $711, 2611 $471, 2612 $195, 2613 $360, 2618 $105 and 2619 $378; to Perkinson Bros. Constr. Co., 3237 Carter Ave., rein.-con. paving, etc. Baden St. between Bway. and Church Rd. $8,419; to

Streets and Roads (Continued)

T. E. Cavanagh, 6452 Oakland Ave., sidewalks on Projects 2604 $459, 2605 $318, 2607 $1,619, to F. A. Stiers, 4500 Enright Ave., Project 2606 $1,118, 2609 $1,708, to Independent Quarry & Constr. Co., Fullerton Bldg., 2610 $1,973 and 2620 $551; also to J. F. Ansbro, c/o Municipal Contg. Assn., Fullerton Bldg., Fillmore St. Sewer 8, 1922. Grand total $39,707. Noted Aug. 19.

Mo., St. Louis—Bd. Pub. Wks., 208 City Hall, made plans amiesite or vitr. brick paving Neosho St. between Grand and 39th Sts. $34,500-$45,060; warrenite, bitulithic, amiesite or asphalt paving Accomac St. between California and Hawthorne Sts. $14,000-$14,100, Allen St. between Nebraska St. and point 342 ft. east of Compton St. $13,900-$14,200, Allen St. between Compton St. and point 344 ft. east $4,650-$4,750, Copelin St. between Compton and Louisiana Sts. $6,700-$6,850, Milton Ave. between Nebraska and Hawthorne Sts. $9,540-$9,800, Geyer St. between Compton and Louisiana Sts. $11,300-$11,600, Geyer St. between Southeast Compton Hill Subdivision and Longfellow Pl. $5,850-$6,000, Louisiana St. between Lafayette and Russell Sts. $22,200-$22,600, and 39th St. between Botanical and Magnolia Sts. $6,950-$7,100; also asphaltic concrete, amiesite, warrenite bitulithic or asphalt paving Michigan Ave. between Geyer and Lafayette Sts. $7,200-$8,350, Pennsylvania St. between Lafayette and Geyer Sts. $8,500-$8,700, and Virginia St. between Geyer and Russell Sts. $10,700-$11,600. W. W. Horner, 300 City Hall, engr.

Mo., University (Sta. St. Louis)—See "Proposed Work."

Ark., Harrison—Rein.-con. paving 18,798 sq.yd. streets in Paving Dist. 3, to Rowan & Rickard, 204 McCoy-Tanner Bldg., Sikeston, Mo. $45,483. Noted June 17.

Ark., Malvern—Grading, curbing and 2 in. Warrenite on 5 in. concrete paving Dist. 2, to C. L. Bessler, Camden, Ark. and Wichita, Kan., $31,700.

Ark., Newport—For 7 in. rein.-con. paving Malcolm Ave., to Turk Constr. Co., Searcy, $40,000.

Tex., Big Lake—For 3 in. brick on 8 in. macadam paving 14,000 yd. various streets, to Thurber Constr. Co., F. & M. Bank Bldg., Ft. Worth, $53,000. Noted Aug. 12.

Tex., Ft. Worth—For 2½ in. vertical fibre brick paving Camp Bowie Blvd., to Thurber Constr. Co., F & M Bank Bldg., $94,793, engrs. est. $100,000, also asphaltic concrete paving Purington Ave., to Fuller Constr. Co., Fidelity Union Bldg., Dallas, $51,998, engrs. est. $55,000. Noted Aug. 5.

Tex., Houston—Clearing, grubbing and grading Navigation Blvd., from Buffalo St., to Houston Belt & Terminal R.R. tracks, to A. M. Arnold & Co., Houston, $61,000.

Tex., Olney—Brick paving 29,900 sq.yd. various streets, to K. S. Hull, Jr., Temple, approximately $100,000. Engrs. est. $110,000.

Tex., Wichita Falls—Hard paving 12 blocks various streets, to L. E. Whitham & Co., Wichita Falls, approximately, $32,000; also 9 blocks various streets, to Plains Paving Co., c/o Staley Bldg., $29,000.

Okla., Oklahoma City—Concrete paving 3,700 sq.yd. and sheet asphalt paving 20,500 sq.yd. Harvey Parkway, 18th, 30th, Robinson, Hudson and Harvey Sts., to Western Paving Co., Tradesmens Bldg., $210,226. Engrs. est. $155,660.

New Mexico—State Hy. Dept., Santa Fe, **(F.A.P. means Federal Aid Project)**, grading 20.183 mi. F.A.P. 107-C, Dona Ana Co., to Veater & Davis, El Paso, Tex., $172,258, 5.132 mi. F.A.P. 143-B, Dona Ana Co., to W. H. Mundy, Las Cruces $13,716 and 8.261 mi. F.A.P. 166-A, Luna Co., to J. C. Wright, El Paso, Tex., $33,436; crushed graveling, etc. 2.025 mi. F.A.P. 81-B, Colfax Co., to W. T. McClure, Tucumoari $57,266, 21,597 mi. F.A.P. 124-A, Hidalgo Co., to A. O. Peabody, Las Cruces $90,009, and 6.780 mi. F.A.P. 146-D, McKinley Co., to Mountain States Constr. Co., Gallup $39,549. Grand total $400,334. Noted Aug. 12.

Wash., Seattle—Bd. Pub. Wks., **(e. e. means engrs. est.)** paving, etc. 39th St. and 4th Ave. et al., to Erickson Paving Co., Henry Bldg., $151,047 and $87,743 respectively, e. e. $167,747 and $88,689 respectively; 22nd Ave. et al., to Moceri Bros., 924 33rd Ave., $43,723 e. e. $43,603; and State St. between East Bay Dr. and East city limits, to R. F. Wood, Olympia, $68,780. Grand total $351,293. Noted Sept. 16.

Oregon—State Hy. Dept., Salem, grading, etc. 6.13 mi. Alsea Mountain Rd., Benton Co., to Bullis & Co., Corvallis $41,202, 2.86 mi. Wheeler-Brighton Rd., Tillamook Co., to J. Hampshire, 1376 Wistaria St., Portland, $128,008, 11 mi. Euchre Creek Dr., Curry Co., to Towaar & Haakaman, Oakland, $58,500, 28,000 cu.yd. Crater Lake Project, to Van der Hellen & Pearson, Medford, $35,420 and 16.1 mi. Drews Valley Rd., Lake Co., to J. Nyberg, Spokane, Wash., $63,590; broken stone surfacing, etc. 16.7 mi. eastern unit Eddyville Bodgett Rd., Benton and Lincoln Counties, to B. C. Seydel, 530 Montgomery St., Portland, $48,885 and west unit same road, to J. C. Compton, McMinnville $41,700. Grand total $417,305.

Ore., Portland—Multnomah Co., grading, etc. 14,700 cu.yd. Rocky Point Rd., to Alexander, Hudson & Co., 207 Hazelfern Pl. $7,043, 5,800 cu.yd. Section line Rd., to A. D. Kern, 290 East Salmon St. $135,903 and 8,728 cu.yd. Bway Dr., to Oregon Contg. Co., Guaranty Bldg., $43,557; asphalt paving, etc. 15,840 sq.yd. Columbia Blvd., to Warren Constr. Co., Yeon Bldg., $25,415; and 8 in. concrete paving, etc. 1,315 ft. Virginia St., to C. G. Randler, 294 East Salmon St., $17,684. Grand total $229,566.

California—State Hy. Dept., Sacramento **(e. e. means engineers estimate)**, grading and concrete paving 3.2 mi. road between Michigan Ave., Whittier and southerly boundary, Los Angeles Co., to G. Herz & Co., San Bernardino, $168,519 e. e. $183,069; widening and asphaltic concrete paving 0.6 mi. Church and Cherry Aves., Fresno, Fresno Co., to California Road & Street Impvt. Co., Fresno, $18,645 e. e. $14 624, and 14.3 mi. road between Merced and southerly boundary Merced Co., to Allied Contractors, Inc. of Colorado, Majestic Bldg., Denver, Colo. $161,819 e. e. $193,942. Grand total $348,983. Noted Aug. 5 and Sept. 9.

Calif., Alhambra — Grading and 5 in. asphaltic concrete paving, etc. 150,948 sq.ft. portion Commonwealth Ave., to Hall-Johnson Co., 965 Westminster St., $57,605.

Calif., Merced—State Hy. Comn., Sacramento, concrete widening and asphaltic concrete surfacing 14.3 mi. road between Merced and South Boundary, Merced Co., from Allied Contractors, Inc., Majestic Bldg., Denver, Colo., $161,819.

Calif., San Diego—Common Council improving El Cajon Ave., to G. R. Daley, 4430 Boundary St., $26,340.

Calif., San Diego — Common Council improving Boundary, Little Flower and other streets, to Hazard Contg. Co., 2548 Kettner Blvd. $126,954.

Calif., San Diego—San Diego Co., concrete paving 6 mi. highway in Lemon Grove Dist., 36 ft., to E. P. Ford, 4200 Highland Ave., East San Diego, $211,316.

Calif., San Francisco—Curbing, guttering concrete paving, etc., Market St. (extension), between 3rd and Mono Sts., to Eaton & Smith, 715 Ocean Ave., $75,771.

Ont., Toronto—East York Twp., asphalt on concrete paving 15,000 sq. yd. Woodbine Ave., to Ontario Amiesite Co., Lumsden Bldg., $55,000. Engrs. est. $60,000.

Ont., Toronto—York Twp., concrete curbing, brick guttering and bitulithic on concrete paving Humewood Dr., Belevidere Ave., Jane and Durie Sts., to Warren Bituminous Paving Co., 54 University Ave., $105,125; concrete curbing, and asphalt on concrete paving Harvie and Montye Aves., to Godson Contg. Co., 203 Richmond St. W., $20,600; concrete curbing, brick block guttering and asphalt on concrete paving Holland Park and Hurstings Aves., to Constr. & Paving Co. Ltd., Confederation Life Bldg., $14,135. Grand total $139,860.

Ont., Weston—Sheet asphalt on 6 in. concrete paving Coulter, Cross, and Queens Sts., to Construction & Paving Co., Confederation Life Bldg., Toronto, $40,053. Engrs. est. $45,000.

Buildings—Commercial

Proposed Work

Mass., Boston—DORMITORY—Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave., raising $750,000 funds, dormitory addition, 316 Huntington Ave. Engineer and architect not selected.

Mass., Boston — HOTEL — Y. M. C. A., A. S. Johnson, pres., 316 Huntington Ave., raising $1,000,000 funds, hotel. Engineer and architect not selected.

Mass., Boston—THEATRE—Stanley Co. of America & U. S. Artists Corp., J. A. Mastbaum, pres., 1916 Race St., Phila., Pa., having plans prepared by Hoffman-Henon Co., Finance Bldg., Phila., Pa., 1 story, basement and balcony, rein.-con., brick and steel. To exceed $150,000.

Mass., Clinton—HOME—Trinity Lodge A. F. & A. M. plans masonic home. $150,000. Engineer and architect not selected.

R. I., Providence—BANK and OFFICE—Industrial Trust Co., 49 Westminster St., soon takes bids 144 x 200 ft., brick and steel, 123-141 Westminster St. Walker & Gillette, 128 East 37th St., New York City, archts. Noted June 24.

N. Y., Buffalo—THEATRE—Shea Amusement Co., 646 Main St., having preliminary plans prepared by C. W. and G. L. Rapp, 190 North State St., Chicago, Ill., 1 and 2 story, 133 x 235 ft., rein.-con., brick and steel, Main St. $2,500,000.

N. Y., New York—APARTMENT—Owner, c/o J. M. Felson, engr. and archt., 250 West 57th St., having plans prepared 6 story, 90 x 100 ft., brick, steel and stone, plain foundation, Gerard St. $250,000.

N. Y., New York—APARTMENT—Owner, c/o G. Swiller, archt., 4215 3rd Ave., having plans prepared 6 story, brick, steel and stone, plain foundation, incl. 2 electric elevators, Lebanon St. $250,000.

N. Y., New York—APARTMENT—Folosi Building Corp., c/o W. Koppe, engr. and archt., 567 Tremont Ave., having plans prepared 5 story, brick, steel and stone, plain foundation, incl. 2 elevators, Carpenter Ave and 230th St. $275,000.

N. Y., New York—COURT HOUSE—City, Bronx Boro, Crotona Park, 3rd and Tremont Aves., soon takes bids brick, steel and stone court house addition, plain foundation, Washington Ave. and 161st St. $200,000. M. Hauster, 3357 3rd Ave., archt.

N. Y., New York — DEPARTMENT STORE—Adams-Flanigan, Westchester and 3rd Aves., soon takes bids 6 story, brick, steel and stone, plain foundation, 149th St. and 3rd Ave. $800,000. Starrett & Van Vleck, 393 7th Ave., archts. Noted Aug. 19.

N. Y., New York—HOSPITAL—Lutheran Hospital of New York, 343 Convent Ave., A. J. Shoneke, supt., having preliminary plans prepared by Crow, Lewis & Wick, engrs. and archts., 200 5th Ave., brick, steel and stone, plain foundation, 187th St. and Bennett Ave. $1,000,000.

N. Y., New York — OFFICE — Sigley Realty Corp., 152 West 42nd St., having plans prepared by F. P. Platt & Bros., 221 West 57th St., brick, steel and stone, plain foundation, 6th Ave. and 46th St. $600,000. E. E. Seelye, 101 Park Ave., engr.

N. Y., New York—OFFICE—W. A. Harriman, 39 Bway., having plans prepared by Cross & Cross, 385 Madison Ave., 35 story, 90 x 200 ft. brick, steel and stone, plain foundation, 35 Bway. $5,000,000.

N. Y., New York — OFFICE — Twenty Eight East 52nd St. Corp., 238 William St., A. Brisbane, pres., having plans prepared by Rouse & Goldstone, engrs. and archts., 512 5th Ave., 28 story, 100 x 125 ft., brick, steel and stone, plain foundation, incl. 5 electric elevators, 481 Madison Ave. $1,650,000.

N. Y., New York—STORE and OFFICE—Debb Corp., c/o C. Schaeffer, Jr., engr. and archt., 149th St. and 3rd Ave., having plans prepared 8 story, brick, steel and stone, plain foundation, 149th St. near Courtlandt Ave. $300,000.

N. Y., New York—THEATRE and OFFICE—Lee and J. J. Shubert, 223 West 44th St., having plans prepared by H. J. Krapp, 1 West 47th St., 2 story, 100 x 100 ft., brick, steel and stone, plain foundation, 246 West 47th St. $200,000.

N. J., Atlantic City—GARAGE—B. Dorf, 15 Park Row, New York City having plans prepared by A. F. Amodie, Commerce Bldg., 6 story, 100 x 100 ft. rein.-con. and brick ramp type garage, Mississippi and Pacific Sts.

N. J., Atlantic City—HOTEL—W. M. Stanton, archt., Land Title Bldg., Phila., Pa., soon lets contract James Madison Hotel, 15 story and basement, rein.-con., brick and steel, plain foundation, Virginia Ave. and Boardwalk, here, for Virginia Hotel Corp. Noted Sept. 9.

N. J., Atlantic City—WAREHOUSE—B. Dorf, 15 Park Row, New York City, having plans prepared by A. F. Amodie, Commerce Bldg., 8 story, 60 x 100 ft. rein.-con. and brick warehouse, here.

N. J., East Orange—APARTMENT and GARAGE—Church Construction Co., 670 Clinton Ave., plans 5 story, 71 x 165 ft. apartment and garage, 164-66 Harrison St. $298,000. Engineer and architect not selected.

N. J., Jersey City—APARTMENT HOTEL—A. Carell, c/o Flagg & Stades, archts., 655 Newark Ave., having plans prepared, 9 story, brick, steel and stone, plain foundation, 57 Sip Ave. $250,000.

N. J., Jersey City—WAREHOUSE—Erie R. R. Co., 50 Church St., New York City, plans group rein.-con., brick and steel warehouses, plain foundation, 11th and 12th Sts. $3,000,000. R. C. Falconer, New York City, ch. engr.

Pa., Pittsburgh — STORE and WAREHOUSE — Young Mahood Co., 1427 Liberty Ave., soon takes bids 5 story and basement, 50 x 100 ft., brick, steel and

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Buildings—Commercial (Continued)

concrete store and warehouse incl. automatic sprinklers and elevators, Penn Ave. $150,000. A. M. Bowman, Bessemer Bldg., engr.

N. C., Asheville—ARCADE—E. W. Grove plans 5 story and basement, 172 x 395 ft., 300 room arcade building, Battery Park Hill. $1,200,000.

N. C., Charlotte — MOSQUE — Oasis Temple Mosque, Inc., rejected bids Sept. 1, mosque, 80 ft. high, 3,000 seating capacity, East Morehead St. $500,000. White, Streeter & Chamberlain Gastonia, archts. Noted Aug. 12.

Ga., Savannah—HOME—Order of Ry. Conductors of America, O. R. C. Bldg., Des Moines, Ia., L. E. Sheppard, pres., O. R. C. Bldg., Cedar Rapids, having plans prepared by Wallin & Comer, Savannah, 2 story and basement, rein.-con. and brick; plain foundation, here. $250,000.

Ala., Birmingham — GARAGE — Voted $250,000 bonds, central garage.

Miss., De Lisle—CLUB HOUSE—Cotton & McGehee, having preliminary plans prepared by N. W. Overstreet, Midway Bldg., Jackson, and J. C. Strasser, Gulfport, 1½ story, 75 x 150 ft., concrete and tile club house. $150,000.

La., Lafayette—EXCHANGE—Southern Bell Telephone Co., 67 Edgewood St., Atlanta, Ga., having preliminary plans prepared by Marye, Alger & Alger, Walton Bldg., Atlanta, Ga., brick, concrete and stone, Central and Buchanan Sts. $160,000.

La., Marksville — COURT HOUSE — Avoyelles Parish Police Jury, soon takes bids 3 story and basement, rein.-con., brick and stone court house. $200,000. H. J. Duncan, 120 Murray St., Alexandria, archt.

O., Cleveland—SALES and SERVICE—J. Rutkowski, pres. Structural Steel Co., 6600 Park Ave., having plans prepared by W. J. Wefel, 5716 Euclid Ave., 2 story and basement, 50 x 250 ft., rein.-con. and brick, Bway. $150,000.

O., Columbus—OFFICE—L. S. McPhail, 40 South 5th St., having plans prepared by J. E. Outcalt, 415 East Broad St., 4 story and basement, 94 x 187½ ft., brick, concrete and terra cotta, High and Butler Aves. $400,000.

O., Dayton — RECREATION — Dayton Council Knights of Columbus, Monument Ave., raising $240,000 funds, recreation building, incl. gymnasium, swimming pool, etc. Monument St.

O., Springfield — THEATRE — G. Sun plans 12 story and basement theatre. $500,000.

O., Wellsville—HOTEL—F. Wilke, plans 3 story and basement, 50 rooms, brick hotel. $150,000.

Ind., Evansville—BANK—Franklin Trust Co. having plans prepared by McGuire & Shook, 320 Indiana Pythian Bldg., Indianapolis, 2 story, 40 x 120 ft., rein.-con., brick and steel bank. $150,000.

Ind., Gary—GARAGE—Parry & Shaw having plans prepared by H. Warriner, Gary, 3 story and basement, rein.-con., brick and steel, Washington St. near 8th St. $200,000.

Ind., Indiana Harbor (mail East Chicago)—HOTEL—F. A. Honoroff had plans prepared by H. E. Erickson, 26 West 5th St., Gary, 4 story and basement, 65 x 120 ft., rein.-con., brick and steel, Michigan Ave. and Dickey Rd. $250,000. Noted Aug. 26.

Ind., Indianapolis—APARTMENT—T. A. Moynahan, 320 North Meridian St., having plans prepared 10 story and basement, rein.-con., brick and steel, 3033-35 North Meridian St. $1,000,000. Private plans.

Mich., Detroit—THEATRE ,STORE and OFFICE—Owner, c/o C. N. Agree, archt., 1137 Book Tower Bldg., having plans prepared 2 story and part basement, 140 x 120 ft., rein.-con., brick and steel plain foundation, incl. steam heating system, Ferdinand and Fort Sts. $800,000.

Mich., Sault Ste. Marie — HOTEL — Ojibway Park Hotel Co., 601 Adams Bldg., having plans prepared by Pond, Martin & Lloyd, 1700 Tribune Tower Bldg., Chicago, Ill., 6 or 7 story and basement, rein.-con. and brick, plain foundation, incl. elevator. $300,000.

Ill., Chicago—CLUB—P. Gerhardt, archt., 64 West Randolph St., prepared plans and takes bids about Oct. 1, 15 story and basement, 100 x 160 ft., rein.-con., brick and terra cotta, caisson foundation, incl. gymnasium, hand ball courts, refrigerating machine, water filters, ice storage, 3 elevators, bath houses, etc., Sheridan Rd. and Ardmore Ave., for Edgewater Athletic Club, 105 West Monroe St., F. A. Harkness, secy. $3,500,000. Noted Nov. 19.

Ill., Granite City—HOSPITAL—St. Elizabeths Hospital, c/o Sister Superior, had plans prepared by V. J. Klutho, Syndicate Trust Bldg., St. Louis, Mo., and takes bids in October, 4 story and basement, 47 x 255 ft. with 43 x 83 ft. wings, rein.-con., brick and stone, Madison Ave. $500,000. Noted Nov. 26.

Ill., Waukegan — THEATRE, APARTMENT and OFFICE—E. P. Steinberg, archt., 360 North Michigan Ave., Chicago, soon lets contract 5 story and basement, 133 x 171 ft., concrete, brick and terra cotta, plain foundation, incl. elevator, etc., Clayton and Genesee Sts., for H. C. Burnett, pres. Waukegan Natl. Bank, et al. $1,000,000. Noted July 29.

Wis., Milwaukee—STORE and LOFT—W. and E. R. Spence, 55-4th St., plans 4-story and basement, 42 x 150 ft., brick and timber or concrete, plain foundation, 7th St. $150,000. Engineer and architect not selected.

Wis., Wauwatosa — SANITORIUM — Bd. Trustees Milwaukee Co. Institutions, W. L. Coffey, mgr., having preliminary plans prepared by R. A. Messmer & Bro., 221 Grand Ave., Milwaukee, 3 story and basement, brick and concrete addition, plain foundation. $150,000.

Ia., Davenport—BANK and OFFICE—Amer. Commercial & Savings Bank, 230 Main St., takes bids about Dec. 15, 14 story and basement, 100 x 150 ft., brick and stone, 3rd and Main Sts., $500,000. Weary & Alford Co., 1923 Calumet Ave., Chicago, Ill., archts. Noted Aug. 19.

Ia., Des Moines—STORE—S. Davidson & Bros., 412 Walnut St., having plans prepared by Proudfoot, Rawson & Souers, Hubbell Bldg., 10 story and basement, 8th and Walnut Sts. $750,000.

Kan., Wichita—WAREHOUSE—Ramsey-Davis Mercantile Co. plans 4 story and basement, 125 x 190 ft., rein.-con., brick and stone warehouse. $150,000. Engineer and architect not selected.

Mo., Kansas City—PUBLIC GARAGE—Scarritt Estates Co., Scarritt Bldg., plans 3 story and basement, 92 x 120 ft., rein.-con. brick and steel, 7th and Walnut Sts. To exceed $150,000. Engineer and architect not selected.

Mo., St. Charles—HOTEL—Local syndicate forming, c/o E. F. Hienke, Savings Bank Bldg., having preliminary plans prepared by J. D. Paulus, 4729 Northland St., St. Louis, 3 story and basement, 60 x 150 ft., brick, stone and concrete, Lindenwood Ave. $150,000.

Mo., St. Louis—APARTMENT—J. Rubin, 808 Chestnut St., had plans prepared by N. B. Howard & M. C. Finley, International Life Bldg., and soon takes bids 8 story and basement, 100 x 180 ft., rein.-con., brick, stone and terra cotta, West Pine St. and Newstead Ave. $500,000.

Mo., St. Louis—COMMERCIAL—Maxine Realty Co., c/o F. Yawitz, pres., International Life Bldg., plans 4 story and basement, rein.-con. and brick, Olive and Beaumont Sts. $150,000.

Ark., El Dorado—COURT HOUSE and JAIL—Union Co. soon takes bids 4 story and basement, 90 x 140 ft., limestone, tile, marble, rein.-con., brick, incl. steam heat, etc. $700,000. Mann & Stern, A. O. U. W. Bldg., Little Rock, archts. Noted Mar. 11.

Tex., Beaumont—OFFICE—J. F. Goodhue et al., takes bids about Nov. 1, 12 story and basement, 60 x 120 ft., steel or concrete, incl. 3 passenger and 1 freight elevators, Pearl and Crockett Sts. $450,000. J. S. Nichols, c/o Amer. Trust Bldg., Nashville, Tenn., engr. Tisdale & Stone, Independent Life Bldg., Nashville, Tenn., archts.

Tex., Carrizo Springs—HOTEL—W. W. Collier, vice-pres., City Natl. Bank, San Antonio, trustee and A. P. Johnson, and associates, plan brick, stone and rein.-con. hotel. $150,000. Engineer and architect not selected.

Tex., Corpus Christi — HOTEL — Nueces Hotel, c/o W. W. Jones, plans 5 story top addition, 100 room, rein.-con. and brick, incl. elevator. $250,000. Private plans.

Tex., El Paso—HOTEL—P. Harvey, mgr. Del Noete Hotel, having preliminary plans prepared altering and constructing, rein.-con. and brick addition present building, $200,000. Private plans.

Tex., San Angelo—BANK and OFFICE—San Angelo Natl. Bank, c/o M. L. Mertz, pres., having plans prepared by A. F. Korn, Jr., Thomas Bldg., Dallas, 6 or 8 story and basement 50 x 100 ft., brick, stone and steel, incl. elevators, heating, etc., Chandbourne and West Twohig Sts. $300,000. Noted Aug. 12.

Tex., San Antonio—HOSPITAL—Physicians & Surgeon's Hospital, c/o J. H. Cunninghom, 111 Dallas St., having plans prepared by Phelps & DeWees, c/o Gunter Bldg., 5 story and basement, 96 x 260 ft., rein.-con., brick, tile and stucco, incl. 3 elevators, Richmond Ave. and Camden St. $1,000,000.

Tex., San Antonio—HOSPITAL—P. & S. Hospital, c/o J. H. Cunningham, 111 Dallas St., having preliminary plans prepared by Phelps & DeWees, c/o Gunter Bldg., 4 story, 140 x 260 ft., rein.-con., brick, tile and stucco, plain foundation, incl. 3 elevators, etc., 111 Dallas St. $1,000,000.

Tex., Sweetwater — CITY HALL — City, c/o M. L. Trammall, secy., having plans prepared by Page Bros., Austin Natl. Bank Bldg., Austin, 2 story, brick, stone, steel and rein.-con., incl. steam heating, etc. $160,000.

Okla., Tulsa—APARTMENT—M. Brockman, 820 Main St., having preliminary plans prepared by F. C. Walter, 305 West Jasper St., 4 story and basement, 75 x 140 ft., rein.-con. and brick, plain foundation, incl. elevators, Main St. $250,000.

Ore., Klamath Falls—THEATRE—Pelican Theatre Corp. plans 3 story theatre. $200,000. Engineer and architect not announced.

Calif., Los Angeles—APARTMENT—A. M. Gilman, 3218 Glendale Blvd., had plans prepared by S. Brown, Lincoln Bldg., 3 story and basement, brick and steel, South

Calif., Oakland — APARTMENT — O. Kehrlein, Tribune Tower Bldg., having preliminary plans prepared by Miller & Warnecke, Actico Bldg., 6 story and basement, brick and steel, Lake and Madison Sts.

Calif., Oakland—OFFICE and STORE—Interests represented by C. Schlessinger, Mills Bldg., San Francisco, plans 200 x 200 x 300 x 300 ft., fireproof construction, on block bounded by 14th, 13th, Franklin and Webster Sts., here. $1,500,000 or more.

Calif., Riverside — AUDITORIUM — City having plans prepared by A. B. Benton, 803 Kensington Rd., Los Angeles, 3 story and basement, 220 x 265 ft., rein.-con. and stucco, 7th and Lemon Sts. $180,000. Excavation for above, to C. M. Wilson, 821 West 57th St., Los Angeles. Noted July 8.

Calif., Santa Barbara—HOTEL—Interests headed by Blankenhorn, Pacific Mutual Bldg., Los Angeles, plans fireproof hotel, Montecito Park. $1,000,000 or more.

Que., Montreal—OFFICE—Sun Life Assurance Co. of Canada, Dominion Sq., takes bids this fall, rein.-con. and stone, Manfield and Metcalfe Sts. $2,500,000. D. L. Macaulay, secy.

Bids Desired

Mass., Brookline (br Boston)—STORE and OFFICE—See "Contracts Awarded."

N. Y., Brooklyn—THEATRE—See "Contracts Awarded."

Mass., Cohasset—TOWN HALL—Town, c/o C. M. Baker, archt., 25 Arch St., Boston, taking bids 2 story and basement, brick and stone, plain foundation, here. $150,000. Noted June 17.

Mass., Roxbury (st. Boston)—THEATRE and STORE—See "Contracts Awarded."

Mass., West Newbury—HOME—Home of Angel Guardian, c/o E. T. P. Graham, arch., 171 Newbury St., Boston, taking bids 1 and 4 story and basement, 60 x 200 ft., brick and terra cotta, plain foundation. To exceed $150,000. Noted July 8.

N. Y., Buffalo—HOSPITAL—Oct. 13, by State Hospital Comn., Capitol, Albany, 2 additions to Elmwood, Buffalo State Hospital, here. S. W. Jones, Capitol, Albany, state archt.; adv. E.N.-R. Sept. 23.

N. Y., New York—APARTMENT—See "Contracts Awarded."

N. Y., New York—OFFICE and STORE—See "Contracts Awarded."

N. J., Perth Amboy—HOSPITAL—Sept. 30, by Bd. Trustees, Perth Amboy City Hospital, 3 story, brick and steel hospital addition. $200,000. B. Goldenberger, 117 Smith St., archt. Noted Mar. 4.

Pa., Pittsburgh—HOSPITAL—Sept. 29, by Elizabeth Steel Magee Hospital and F. Giffen, archt., Magee Bldg., irregular shaped brick and steel top and side additions, incl. elevators, Forbes and Halket Sts. $500,000.

La., Lafayette — COURTHOUSE and JAIL—Oct. 21, by Lafayette Parish, 3 story brick, concrete and terra cotta courthouse and jail. $250,000. W. T. Nolan, Canal-Commercial Bldg., acht. Noted May 27.

Ind., East Chicago—HOTEL—Sudoick & Kostino, taking bids two 2 story and basement, 70 x 130 ft., brick, steel and stone hotel. $150,000. M. S. Bittner, East Chicago, archt.

Ind., Gary—APARTMENT HOTEL—Barge Estate Corp., 721 Tyler Ave., taking bids 5 story and basement, rein.-con., brick, steel, and terra cotta apartment hotel. $275,000. Private plans.

Ind., Goshen — BANK, STORE and OFFICE — Salem Bank & Trust Co., H. Egbert, pres., taking bids 2 story and base-

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Buildings—Commercial (Continued)

ment, 80 x 167 ft., rein.-con. and brick bank, store and office building. $150,000. Austin & Shambleau, 111 North La Fayette St., South Bend, archt.

Ind., Shelbyville — OFFICE — Dr. B. G. Keeney taking bids 2 story and basement, rein.-con., brick and stucco, incl. heating system. $150,000. Kopf & Deery, 403 Ind. Pythian Bldg., Indianapolis, archts.

Ind., Whiting — BANK and OFFICE — Central Bank of Whiting, taking bids 6 story and basement, brick and steel, 119th St. and Indianapolis Ave. $400,000. Peterson & Johnson, Rockford, Ill., archts. Noted Aug. 26.

Ill., Chicago—HOTEL and STORES—Oct. 5, by D. S. Klafter, archt., 64 West Randolph St., 8 story and basement, 50 x 150 ft., rein.-con. brick and terra cotta, incl. refrigerator, 4539 Sheridan Rd., for J. A. Bidderman, 10 South La Salle St. Noted Aug. 26.

Ill., Kankakee — THEATRE, OFFICE, STORE and APARTMENT—Oct. 5, by J. J. Redding & Co. (general contractors), 10 North Clark St., Chicago, sub-bids 3 story and basement, 150 x 150 ft., brick, steel, stone and terra cotta, incl. cooling plant, etc., Dearborn Ave. and Merchant St., here, for Kankakee Building Corp., c/o Harper & Janusch, archts., 879 North State St., Chicago. Archts. est. $600,000. Noted July 15.

Wis., Milwaukee—MOSQUE—Oct. 4, by Clas, Shepherd & Clas, archts., 445 Milwaukee St., 2 story and basement, 120 x 128 ft., rein.-con., brick and terra cotta, plain foundation, Grand Ave., for Tripoli Temple, Nobles of the Mystic Shrine, L. Schneller, chn. building com., 339 4th St. $250,000. Noted Sept. 16.

Minn., Duluth—APARTMENT HOTEL—Oct. 15, by T. W. Wahl, representing syndicate, Lonsdale Bldg., 3 story and basement, 166 x 196 ft., stone, concrete, steel and brick, stone and concrete foundation, 4th Ave. W., at 9th St. $200,000. J. J. Wangenstein, 310 Palladio Bldgs., engr. and archt.

Calif., Salinas — HOSPITAL — Supervs. Monterey Co. taking bids and opens same about Oct. 4, rein.-con. hospital. $150,000 or more. Reed & Corlett, Oakland, Bank of Savings Bldg., Oakland, archts.

Calif., Santa Barbara—COURTHOUSE—Supervs. Santa Barbara Co. taking bids footings and steel work for courthouse. To exceed $150,000. W. Mooser, Nevada Bank Bldg., San Francisco, archt. Noted July 1.

Bids Received

Mass., Framingham—MEMORIAL AUDITORIUM and TOWN HALL — Deputy Sheriff Walsh, Court House, Cambridge, 2 story and basement, brick and stone, Concord St. and Union Ave., from J. H. Prindiville Co., Prindiville Bldg., Framingham, $374,965. Noted Sept. 2.

N. Y., West New Brighton (sta. Staten Island) — ARMORY — Armory Bd., City Hall, New York City, Sept. 16, armory for headquarters Troop 51st Cavalry Brigade (Troop F, 1st Cavalry) at Manor and Martling Sts., here, from Staten Island Constr. Co., 56 Bay St., Fort George, $206,316. Noted Sept. 9.

Contracts Awarded

Mass., Arlington—POLICE HEADQUARTERS—Town, D. M. Hooley, ch. police, 2 story and basement, brick and stone, plain foundation, Central St., to Dacy & Tibbetts, Inc., 70 Porter Rd., Cambridge. Archts. est. $150,000. Noted Sept. 9.

Mass., Boston—STORE and OFFICE—Sears Estate, c/o F. W. Woolworth Co. (lessee), 31 St. James Ave., reconstructing 6 story and basement, brick, 55 Summer and 18 Chauncy Sts., to J. Bowen Co., 184 Dudley St., Roxbury. Noted Aug. 19.

Mass., Boston — TERMINAL — Wiggin Terminal, Inc., 50 Terminal St., Charlestown, per shed unit, 1 story, 367 Medford St., Mystic River, to Hill & Woodward, 108 Massachusetts Ave. Engrs. total est. $2,000,000.

Mass., Brookline (br. Boston)—STORE and OFFICE—Gorfinkle & Barkin, 292 Washington St., Boston, will build 3 story and basement, brick and stone, plain foundation, Beacon St. corner James Ave. $150,000. Work will be done by separate contracts. E. B. Stratton, 25 Arch St., Boston, archt.

Mass., Fitchburg—HOSPITAL—Burbank Hospital Building Com., 2 story and basement 37 x 183 ft., brick, steel and tile hospital, incl. power house, to T. A. Cassidy, 54 Boylston St. $208,500. Noted Sept. 16.

Mass., Lynn—WHOLESALE, STORAGE, BAKERY and OFFICE—J. W. Blood, 94 Summer St., 4 story and basement, 100 x 140 ft., rein.-con., plain foundation, Pleasant and Wheeler Sts., to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. $350,000.

Mass., Roxbury (sta. Boston)—THEATRE and STORE—L. Segal, 15 Exchange St., will build 1 story and basement, 50 x 155 ft., and 20 x 60 ft., brick, stone and steel, plain foundation, 144 Humboldt Ave. $150,000. Work will be done by separate contracts. Krokyn, Browne & Rosenstein, 220 Devonshire St., Boston, archts.

R. I., Providence—CLUBHOUSE—Providence Plantation Club 77 Franklin St., 3 story and basement, 55 x 180 ft., brick and stone, plain foundation, Abbott Pl., to A. W. Merchant, Inc., Hospital Trust Bldg. Archts. est. $150,000 or more. Noted Aug. 26.

N. Y., Brooklyn—THEATRE—Marlboro Theatre Corp., H. Becker, pres., c/o C. A. Sandblom, archt., 145 West 45th St., New York City, will build brick, steel and stone, plain foundation, 22nd Ave. and West 10th St. $250,000. Work will be done by separate contracts under owners supervision.

N. Y. Buffalo — THEATRE — E. M. Statler, Pennsylvania Hotel, 7th Ave., New York City, 4 story, brick and stone, plain foundation, Delaware Ave., to Dwight P. Robinson & Co., Inc., 125 East 46th St., New York City. Archts. est. $1,000,000. Noted Apr. 22.

N. Y., New York—APARTMENT—Rosman Constr. Co., c/o Murgatroyed & Odgen, archts., 286 Madison Ave., will build 17 story, 40 x 130 ft. brick, steel and stone, plain foundation, 2 electric elevators, Gramercy Park South nd Irving Pl., by day labor. $500,000.

N. Y., New York—OFFICE and STORE—P. Uris, 50 East 42nd St., will build brick, steel and stone, plain foundation, 269 Madison Ave. $800,000. Work will be done by separate contracts, under owner's supervision.

N. Y., New York—SERVICE—L. I. Harris, pres. Bd. Health, 505 Pearl St., service building on grounds Riverside Hospital, North Brother Island, Bronx Boro, to M. F. Kelly Building Corp, Grand Central Terminal, $162,000. Noted Sept. 9.

N. J., Atlantic City—APARTMENT—Liberty Apartment Hotel Corp., c/o S. Abramson, archt., 2315 Walnut St., Phila., Pa., 5 story and basement, 75 x 200 ft., rein.-con., brick and steel, concrete pile foundation, Baltic Ave. between New York and Kentucky Aves., here, to A. Nedelman, Guaranty Trust Bldg. Noted Aug. 26.

N. J., Moorestown—BANK—Burlington County Trust Co., 2 story, 59 x 93 ft., brick, steel and stone, plain foundation, to Roberts & Roller, 1700 Walnut St., Phila., Pa. Noted Aug. 12.

Pa., Erie—PASSENGER and FREIGHT STATION—New York Central R. R. Co., New York City, N. Y., G. W. Kittredge, ch. engr., 1 and 2 story, 116 x 655 ft., rein.-con., brick, terra cotta and steel, here, to Walsh Constr. Co., Herald Bldg., Syracuse, N. Y. Archts. est. $800,000. Noted July 22.

Pa., Phila. — APARTMENT — Delmar Apartment Co., Chelten Ave. and Morris St., 8 story and basement, 41 x 105 ft. and 49 x 52 ft., rein.-con., brick and steel, plain foundation, to R. P. Whitty Co., New Hampshire Ave. and V St. N. W., Wash., D. C. Archts. est. $550,000.

Pa., Pittsburgh—STORE and OFFICE—L. A. Meyron & H. H. Heene, c/o E. G. Hartje, St. Nicholas Bldg., general contract altering and constructing 5 story and basement addition, 323 5th Ave., to D. T. Riffle, 1006 Forbes St. Archts. est. $250,000. F. W. Woolworth Co., 233 Bway., New York City, N. Y., lessee.

Pa., Pittsburgh — THEATRE and OFFICE — Stanley Rowland Clark Corp., State Theatre Bldg., 23 story and basement, 180 x 320 ft., concrete, steel, terra cotta, brick and marble, 7th St. and Penn Ave., to W. T. Grange Constr. Co., Keenan Bldg. Archts. est. $4,000,000. Noted Dec. 24.

Pa., Tamaqua—STORE—E. J. Jennings, 3 story and basement, 52 x 150 ft., rein.-con., brick and steel, plain foundation, here, to Tamaqua Constr. Co., Tamaqua. Archts. est. $150,000.

N. C., Winston-Salem—WAREHOUSE—Peoples Warehouse Co., J. H. Clinard & R. C. Click, interested, large tobacco warehouse, brick and steel, to Realty Bond Co., Winston-Salem, $500,000.

La., Shreveport — BUSINESS — Johnson Furniture Co., 6 story, 132 x 200 ft., rein.-con., brick and stone, Texas Ave., to Glassell-Wilson Co., Inc., Sinclair Bldg. Archts. est. $300,000. Noted June 17.

Tenn., Memphis—HOTEL—A. L. Prichard, 195 South Belvedere St., 8 story and basement, 30 x 193 ft., brick, marble and terra cotta incl. 3 elevators, etc., Union and 3rd Sts., to B. E. Buffaloe Constr. Co., Memphis and Peoples Bank Bldg., Mobile, Ala. Archts. est. $200,000. Archts. est. $350,000.

O., Dayton—STORE and THEATRE—Federation Realty Co., A. F. Johnson, genl. mgr., Callahan Book Bldg., 1 and 2 story and basement, brick, stone and tile, incl. bowling alleys, Xenia Ave., to A. P. Ziegler Co., Cooper Bldg. $225,000.

O., Hamilton—HOTEL—Community Hotel Co., Anthony Wayne Hotel, 7 story and basement, 85 x 200 ft., brick, steel, concrete and terra cotta, incl. 3 passenger and 1 freight elevators, High and Court Sts., to F. K. Vaughn Bldg. Co., Hamilton. $229,553.

O., Steubenville — APARTMENT and STORE—F. J. King & W. C. Brown, 4 story and basement, rein.-con. and brick, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $190,000.

Mich., Birmingham—THEATRE—Briggs Investment Co., 1800 Buhl Bldg., 2 story and part basement, 120 x 236 ft., rein.-con. brick and steel, plain foundation, incl. steam heating system, Woodward Ave., to Pryale Constr. Co., Pontiac.

Ill., Chicago — APARTMENT HOTEL — D. S. Klafter, archt., 64 West Randolph St., general contract 7 story and basement, 55 x 175 ft., rein.-con., brick and stone, 6137-39 Kenwood Ave., to Reliance Co., Inc., 11 South La Salle St., for J. J. Glasser, 4826 Sheridan Rd. Archts. est. $650,000. Noted Aug. 19.

Ill., Chicago — HOTEL — W. Reichert, archt., 35 South Dearborn St., excavation, masonry and concrete contract 17 story and basement, 50 x 150 ft., brick and terra cotta, South Shore Dr. between 55th and 56th Sts., to J. A. Lundstrum, 1107 Addison St., for Flamingo Hotel Corp., c/o Archts. Archts. est. $1,000,000. Noted

Ill., Oak Park—APARTMENT HOTEL—L. C. Bouchard, archt., 160 North La Salle St., Chicago, general contract 5 story and basement, 50 x 150 ft., 839 Lake St., here, to Tidewater Constr. Co., 11 South La Salle St., Chicago, for Eight Hundred Thirty Nine, Lake Street Building Corp., c/o archts. Noted Aug. 26.

Ill., St. Charles—HOTEL—Wolf, Sexton, Harper & Trueax, archts., 3000 Tribune Tower, Chicago, general contract 5 story and basement, 123 x 140 ft., rein.-con., brick, steel, tile and terra cotta, here, to M. A. Lehmann & Sons, St. Charles, for Hotel St. Charles. Archts. est. $275,000. Noted Aug. 12.

Wis., Milwaukee—APARTMENT—Goodsitt & Helfaer, 4609 North Ave., 3 story and basement, 45 x 163 ft., brick, tile and concrete, plain foundation, Lyon St., to F. Wilke, 1253-36th St. Archts. est. $150,000. Noted Sept. 2.

Wis., Racine—THEATRE—Owner, c/o Fridstein & Co., archts., 111 West Washington St., Chicago, Ill., general contract, 4 story, irregular shaped, brick and terra cotta, here, to G. H. Gottschalk Co., 111 West Washington St., Chicago, Ill. Archts. est. $500,000.

Ia., Mt. Ayr—COURT HOUSE—Ringgold Co., general contract 3 story and basement, 84 x 92 ft., concrete, brick and stone, to L. T. Grissman, Ottumwa, $115,258. Archts. est. $150,000. Noted Aug. 13.

Minn., Rochester—CLINIC—Mayo Clinic, general contract 17 story, basement and sub-basement, 200 x 200 ft., brick and steel, to G. Schwartz & Co., Rochester. Archts. est. $3,000,000. Noted Feb. 11.

Minn., St. Paul—MASONIC TEMPLE—Masonic Temple Assn., F. B. Banister, pres., general contract 2 story and basement, 60 x 130 ft., rein.-con., brick and stone addition, incl. steam heat, etc., 6th St. and Smith Ave., to P. Steenberg Constr. Co., 914 Builders Exch. Bldg. Archts. total est. $150,000. Noted Sept. 2.

Kan., Dodge City — HOTEL — Business men, Dodge City, c/o Ellis Charles & Co., Orpheum Bldg., Wichita, 125 room, rein.-con. and brick hotel, to Siedhoff Constr. Co., Broadview Hotel Bldg., Wichita. Archts. est. $400,000.

Mo., St. Louis—CLUB HOUSE, etc.—See "Unclassified."

Mo., St. Louis—POLICE OFFICE and ARMORY—St. Louis Metropolitan Police Dept., A. C. Orrick, pres., excavation and foundation for 5 story and basement, 138 x 216 ft., rein.-con. and stone 12th St. from

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Buildings—Commercial (Continued)

Clark to Spruce Sts., to Cornet & Casey Constr. Co., Chemical Bldg.; also one thousand 30 ft. concrete piles, to Smith & Brennan Concrete Pile Co., 4000 North 1st St. This corrects report in Sept. 16 issue.

Mo., Wellston—STORE—S. S. Kresge Co., Kresge Bldg., Detroit, Mich., general contract, 2 story and basement, 87 x 151 ft., brick and steel, store, incl. draught heating, Easton and Hodiamont Aves., to Gamble Constr. Co., 620 Chestnut St., St. Louis. Archts. est. $175,000.

Okla., Tulsa — BANK and OFFICE — Tulsa Trust Co., 4th and Boulder Sts., 8 story and basement, 40 x 140 ft., rein.-con. and brick, plain foundation, Boulder St., to J. R. Forner, 325 Ritz Bldg., $171,000.

Okla., Tulsa—STORE—J. L. Seidenbach, 422 South Main St., 4 story and basement, 50 x 120 ft., rein.-con. and brick, plain foundation, incl. 3 new elevators, etc., Main St., to J. W. Wilson, 214 Clinton Bldg. $175,000.

Neb., Omaha—THEATRE—Orpheum Circuit, c/o M. Singer, genl. mgr., 190 North State St., Chicago, Ill., general contract 6 story and basement, 132 x 165 ft., concrete, brick and steel, 15th and Harney Sts., to Thompson-Starret Co., 104 South Michigan Ave., Chicago, Ill. Archts. total est. $1,000,000. This corrects report in Sept. 9 issue.

Calif., Los Angeles — HOSPITAL — Los Angeles Co., 2 story, 59 x 160 ft., rein.-con. and tile addition, incl. elevators and steam heating, 1100 Mission Rd., to I. Carroll, 506 North Marengo St., Pasadena, $231,250.

Calif., Los Angeles—STORE and OFFICE—Dohrmann Commercial Co., Geary and Stockton Sts., San Francisco, 8 story and basement, 80 x 152 ft., rein.-con., timber, terra cotta, tile and marble, incl. electric elevator, steam heating and ventilating system, 739 South Flower St., to Scoffield Eng. Constr. Co., Pacific Finance Bldg. $500,000.

Calif., Los Angeles—STORE, OFFICE and GARAGE— Winhawk Corp., 13 story, basement and sub-basement, rein.-con., brick, and stone, incl. sprinkler system, and 5 elevators, Spring St., to Winter Constr. Co., 2404 West 7th St., cost plus percentage basis. Archts. est. $650,000 or more.

Calif., Murphy — HOSPITAL — E. D. Graham, clk. San Joaquin, Stockton, group rein.-con. and timber buildings for tubercular hospital, here, for Calaveras Co. (San Andreas) and San Joaquin Co. (Stockton), to D. G. Johns, 145 West Flora St., Stockton, $176,000. Noted Aug. 26. Noted July 29.

Que., Montreal — APARTMENT — R. P. and H. A. Adams, 2 Placod Armes, 7 story, 28 apartment, rein.-con., brick and stone, Atwater St., to Church Ross & Co., 698 St. Catherine St. N.

Buildings—Industrial

Proposed Work

Mass., Cambridge (Boston P. O.) — PLANT — Dewey & Almy Chemical Co., Harvey St., North Cambridge having preliminary plans prepared by H. L. Kennedy, 80 Boylston St., Boston, 2 story plant addition. Harvey St. $40,000 or more.

Mass., Springfield—GARAGE, SHOWROOM and REPAIR SHOP—A. O. Standish, 176 Main St., having plans prepared by H. J. Tessier, 534 Main St., 1 story, rein.-con., 135 Main St. $40,000.

R. I., Pawtucket—BAKERY—New England Bakery Co., J. Collier, pres., Main St., Providence, having plans prepared by McCormick & Co., 41 Park Row, New York City, 2 story and basement, brick, steel and concrete, Geneva and Dartmouth Sts. $250,000.

Conn., South Norwalk — GARAGE, REPAIR SHOP and STORE—D. J. Mellilo, 91 North Main St., having plans prepared by A. S. Meloy, 2965 Main St., Stratford, 2 story and basement, 15 x 50 ft. and 40 x 160 ft., brick, steel and concrete. North Main St. $75,000.

N. Y., Buffalo—TIRE FACTORY—Fred Brook Davey, 52 West Falls St., Niagara Falls, plans tire factory, here. $50,000.

N. Y., Buffalo—TIRE FACTORY—T. F. Palmer, 196 Highgate Ave., plans tire factory. $45,000.

N. Y., Pavilion—GAS PLANT—Genesee Valley Gas Co., Mount Morris, having plans prepared, artificial gas plant, here. To exceed $150,000. R. C. Burdick, Mount Morris, engr.

N. J., Newark — COLD STORAGE WAREHOUSE — Merchants Refrigerating Co., 17 Varick St., New York City plans

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rein.-con., brick and steel, plain foundation, Pennsylvania and Vanderpool Aves., here. $1,500,000. Private plans.

N. C., Thomasville — FURNITURE FACTORY — Russell Furniture Mfg. Co. purchased site on High Point, Thomasville & Denton R.R. and plans furniture factory. A. G. Russell, pres.

Ga., Atlanta—FOUNDRY and MACHINE PLANT—Birds-Porrs Co., Inc., 376 Marietta St., plans fireproof plant. Private plans.

Ga., Atlanta—PLANT—Massell Lumber Co., 269 Simpson St., plans 2 story, brick addition. $50,000.

Ga., Waycross — ICE PLANT — Ware County Light & Power Co. plans electrically operated ice plant, 8,000 tons storage capacity, and 150 tons daily capacity. $100,000.

La., Monroe — PLANT — G. E. Breese Lumber Co., Monroe soon awards contract for 2 unit hard wood flooring plant. $200,000.

Ga., Sandersville—PLANT—Georgia Portland Cement Co., Augusta, purchased 400 acres land and plans 3,000 to 5,000 bbl. daily capacity cement plant, near here. $3,000,000. Private plans.

O., Akron—FACTORY—Natl. Standard Co., Betts Corners, plans 1 story 70 x 280 ft., Betts Corners.

O., Cleveland—FOUNDRY—Art & Bronze Co., 1782 East 37th St., having plans prepared by W. J. Wefel, 5716 Euclid Ave., 2 story and basement, 34 x 70 x 125 ft., brick and steel, East 43rd St. near Chester Ave. $40,000.

O., Cleveland—MANUFACTURING—P. J. Haber, atty., Leader Bldg., had plans prepared by Christian Schwarzenberg & Gaeda, engrs. and archts., 1900 Euclid Bldg., 2 story and basement, brick and steel, St. Clair Ave. $75,000.

O., Cincinnati — FILLING STATION — Queen City Petroleum Co., 3629 Colerain Ave., having plans prepared by O. Schwartz, 307 Provident Bank Bldg., 1 story, 16 pumps, 5,000 gal. capacity, brick, plain foundation, McMillan St. $175,000.

O., Dayton — PUBLISHING PLANT — McCall Co., Eaton Ave., Dayton, and 236 West 37th St., New York City, plans rein.-con. and steel addition. $200,000. Private plans.

Ind., Evansville—GARAGE and REPAIR SHOP—Pride Bros. Co., 102 South 3rd St., having plans prepared 3 story and basement, brick and steel garage, repair shop, and tire service. $50,000. Private plans.

Ind., Gary—STEEL MILLS—U. S. Steel Corp., E. H. Gary, chn., having preliminary plans prepared 12 new blast furnaces, rein.-con., brick and steel, new stack, and new tin plate plant. $9,000,000. Engineer and architect not announced.

Wis., Adell—DAIRY PLANT—Wieland Dairy Co., 3640 Bway., Chicago, Ill., having plans prepared by R. A. Sutherland, 703 Commercial Bank Bldg., Fond du Lac, 3 story, 72 x 240 ft., brick and concrete, plain foundation, here.

Wis., Milwaukee—GARAGE and SERVICE STATION—White Co., 842 East 79th St., Cleveland, O., having plans prepared 1 story, 172 x 200 ft., rein.-con., brick and steel, plain foundation, Clybourn St. H. R. Hadlow, c/o owner, engr.

Wis., Winneconne—GRIST MILL—J. and F. Schneider plan rebuilding 2 story, rein.-con. and brick mill, recently destroyed by fire. $40,000. Engineer and architect not selected.

Ia., Waterloo—PACKING PLANT—Roth Packing Co., Sycamore and Elm Sts., having preliminary plans prepared by Henschein & McLaren, 1637 Prairie Ave., Chicago, Ill., rein.-con. and brick addition, Sycamore St. $500,000.

Neb., Grand Island—POWER PLANT—City, H. E. Clifford, clk., making plans (2nd unit) addition to power plant; also extending street lighting system. $150,000. Pillsbury Eng. Co., 2344 Nicolett Ave., Minneapolis, Minn., engrs.

Neb., Omaha — ICE PLANT — Allen Filter Service Co., 407 Karbach Bldg., plans 2 story ice plant, here. $75,000. Private plans.

Mo., Kansas City—FACTORY—Columbian Steel Tank Co., 1507 West 12th St., plans 4 story top addition.

Tex., Mirando City—POWER PLANT—Texas Central Power Co., c/o Frost Bldg., San Antonio, having preliminary plans prepared double present capacity plant. $80,000. Private plans.

Calif., Bakersfield—FREIGHT TERMINAL—Southern Pacific R. R. Co., 65 Market St., San Francisco, G. W. Boschke, ch. engr., having plans prepared by W. H. Kirkoride, engr., 65 Market St., San Francisco, 60 x 400 ft., brick and concrete freight terminal buildings, 60 x 150 ft. automobile loading platform, etc., $300,000.

Calif., Vernon (mail Watts) — GLASS FACTORY — Illinois Pacific Corp., 1717 Commercial St., Los Angeles, plans branch plant, here. $750,000. Illinois Pacific Glass Corp., 15th and Folsom Sts., San Francisco, archt.

Que., Montreal—WAREHOUSE—J. B. Baillargeon Express Co. Ltd., 329 Ontario St., East Montreal, having plans prepared 5 story, 120 x 340 ft. rein.-con. warehouse, Queen St. $350,000.

Bids Desired

Mass., Brockton — PLANT — Brockton Daily Enterprise, c/o R. P. Jackson, archt., 106 Main St., taking bids 2 story and basement, 55 x 95 ft., rein.-con. and brick, plain foundation, Joslyn St. $75,000.

Mass., Dorchester (Boston P. O.) — POWER STATION — Oct. 5, by Transit Dept., 1 Beacon St., Boston, 1 story, rein.-con., brick and steel, plain foundation, Dickens St., here. To exceed $150,000. E. F. Springer, 1 Beacon St., Boston, engr. Noted Aug. 19.

Mass., Roxbury (Boston P. O.) — GARAGE and REPAIR SHOP — See "Contracts Awarded."

Mass., Springfield — GARAGE, SHOWROOM and REPAIR SHOP — A. O. Standish, 176 Main St., taking bids 1 story, 100 x 100 ft., rein.-con., 135 Main St. $40,000.

Pa., Phila. — MANUFACTURING—Sept. 29, by H. W. Caster, archt., St. Girard Bldg., 1 story and mezzanine, 134 x 398 ft., rein.-con., brick and steel manufacturing plant, incl. self supporting chimney 70 ft. high, Erie Ave and G St.

Pa., Phila.—FACTORY—See "Contracts Awarded."

O., Cleveland — WAREHOUSE and OFFICE — See "Contracts Awarded."

Ind., Lawrenceville—REPAIR SHOP—See "Contracts Awarded."

Wis., Cedarburg—COLD STORAGE—See "Contracts Awarded."

Wis., Manawa—FEED MILL—See "Contracts Awarded."

Wis., Muscoda — FACTORY — See "Contracts Awarded."

Bids Desired

Pa., Phila.—SHOPS—H. E. Ehlers, city dir., 1211 Chestnut St., Sept. 16, from Golder Constr. Co., 263 South 15th St., general repair shop $870,000, inspection shop $225,000, and entrance building $21,000, all in Fern Rock Terminal Yard, Broad St. Subway, Contr. 127. Noted Sept. 2.

Contracts Awarded

Me., Brewer—SHOE FACTORY—F. H. Drummond, 75 South Main St., 2 story and basement, 45 x 75 ft., brick, to O. Nelson, 194 Exchange St., Bangor. Archts. est. $45,000.

Mass., Arlington — GENERATOR and BOILER HOUSE—Arlington Gas Light Co., A. Hatch, in charge, 689 Massachusetts Ave., 1 story, 40 x 62 x 64 ft., brick and steel, Grove St., to Arlington Constr. Co., 313 Bway. Archts. est. $75,000. Noted Sept. 2.

Mass., Boston—EXHAUSTER HOUSE—Boston Consolidated Gas Co., 149 Tremont St., 1 story, brick, plain foundation, 69 Cambridge St., to W. J. Bailey Co., 88 Broad St. Archts. est. $40,000.

Mass., Boston—GARAGE and REPAIR SHOP—Havelock Assn., 18 Tremont St., 1 story, 80 x 200 ft., brick and steel, plain foundation, 11 Rhodes St., to J. V. D'Amore, 144 Oakland Ave., Arlington. Archts. est. $65,000.

Mass., Boston—MACHINE SHOP—Gulf Refining Co., 31 St. James Ave., 1 and 2 story, 100 x 180 ft., brick and steel, plain foundation, 2606 Washington St., Forest Hills, to Austin Co., 16112 Euclid Ave., Cleveland, O. Archts. est. $75,000.

Mass., Charlestown (sta. Boston)—FACTORY and POWER HOUSE — W. F. Schrafft & Sons Corp., 160 Washington St. N., Boston, 6 story, 200 x 480 ft., rein.-con., brick and steel factory addition and power house, Medford St., Sullivan Sq., here, to Turner Constr. Co., 178 Tremont St., Boston. Archts. est. $1,500,000.

Mass., Dorchester (Boston P. O.)—FACTORY—Knox & Morse Co., 140 Oliver St., Boston, 2 story, 50 x 100 ft., brick and rein.-con., plain foundation, Freeport St., to C. C. Temple Co., 99 Chauncy St., Boston. Archts. est. $45,000. Noted Sept. 2.

Buildings—Industrial (Continued)

Mass., Fitchburg — POWER HOUSE — See "Buildings—Commercial."

Mass., Franklin—MILL—Haywood Mills, 2 story addition, to O. D. Purrington Co., Industrial Trust Bldg., Providence, R. I. Archts. est. $40,000.

Mass., Roxbury (Boston P. O.) — GARAGE and REPAIR SHOP, etc.—H. M. Rittenberg, 12 Garden St., Boston, will build 1 story, 55 x 200 ft. and 30 x 40 ft., brick store, garage and repair shop, plain foundation. $60,000. Work will be done by separate contracts. S. S. Eisenberg, 46 Cornhill, Boston, archt. Noted Sept. 9.

Mass., South Walpole—SHOP—Bird Machine Co., 1 story brick and steel extension, plain foundation, to Aberthaw Co., 80 Federal St., Boston. Archts. est. $50,000.

Mass., Waltham (Ind. br. Boston)—FACTORY—T. B. Plimpton, 200 Devonshire St., Boston, 1 story, 50 x 100 ft., rein.-con. and steel addition, plain foundation, 66 Woerd Ave., to A. A. Walsh, 24 Fiske Ave. Archts. est. $40,000.

Mass., Watertown—REPAIR GARAGE and SALESROOM—Stuart Marshall Realty Co., 286 Centre St., Newton, 1 story brick and steel, plain foundation, Maple and Salem Sts., to R. J. Garrveau & Co., Inc., 6 Beacon St., Boston. Archts. est. $40,000. Noted Sept. 9.

Conn., New Haven—SHOP—New York, New Haven & Hartford R.R. Co., E. Gagel, ch. engr., 1 story brick and steel addition, Lamberton St. Yard, to J. N. Leonard & Co., 902 Chapel St. Archts. est. $40,000 Noted Sept. 2.

Conn., Winsted—FACTORY—Strand & Sweet Mfg. Co., Meadow St., 2 story, 50 x 80 ft., brick and steel, to W. Hart, Coe St. Archts. est. $40,000.

Pa., Phila. — FACTORY — Smith-Drum Co., Allegheny and Lawrence Sts., will build 1 story and mezzanine, 100 x 125 ft., brick and steel, plain foundation, here, by day labor. J. S. Simsohn, Broad and Girard Sts., archts.

Pa., Phila.—MANUFACTURING—Yarnall Paint Co., 55th St. and Grays Ave., 3 story and basement, irregular shaped, rein.-con. and brick, plain foundation, to W. J. Steele & Son, 219 North Broad St. Archts. est. $100,000.

Pa., Phila.—PLANT—Morris & Erskine, archts., 1716 Cherry St., 4 story and basement, 58 x 140 ft., rein.-con. and brick addition, plain foundation, 4901 Stanton Ave., to W. R. Daugherty, 1608 Sansom St., for Leeds & Northrup. Noted Sept. 2.

Pa., Pittsburgh—FACTORY—Nat. Casket Co., 2931-52 Reesdale St., 1 and 2 story and basement, 50 x 60 ft., brick and steel, concrete foundation, Reesdale St., to F. Bruner Co., Columbia Bank Bldg. Archts. est. $40,000.

Pa., Upper Darby — DYE FACTORY — Globe Cleaning & Dyeing Co., 208 South 60th St., Phila., 2 story and basement, 75 x 100 ft., rein.-con. and brick, plain foundation, Watkins Ave., to McBride Constr. Co., 10 South 18th St., Phila.

W. Va., Williamson — ROUND HOUSE and MACHINE SHOP — Norfolk & Western R.R. Co., Roanoke, Va., W. P. Wiltsee, ch. engr., general contract 1 story, irregular size, concrete, brick and steel rondhouse and machine shop, here, to J. P. Pettyjohn & Co., Lynchburg, Va. Archts. est. $115,000.

Fla., Miami—FREIGHT STATION, etc.—Seaboard All-Florida R.R. Co., 60 x 540 ft. freight station and 100 ft. covered loading platform, Northwest 7th Ave. and 18th St., here, to Johnson, Drake & Piper, 513 Meridian Ave., Miami Beach, $160,000.

O., Akron—LAUNDRY—Davis Laundry & Cleaning Co., W. J. Barnes, mgr., 87 West Market St., 2 story and basement, rein.-con., brick and steel addition, to C. W. & P. Constr. Co., 718 Sec. Natl. Bldg. Archts. est. $60,000. Noted July 29.

O., Canton—FACTORY—Timken Roller Bearing Co., Harrison Ave. S.W., general contract 1 story, 100 x 500 ft., steel, Garfield Ave. S.W., to Melbourne Constr. Co., Brant Bldg. $1,000,000. This corrects report in Sept. 9 issue.

O., Cleveland — WAREHOUSE and OFFICE — F. J. Mullaney, will build 1 story and basement, 133 x 181 ft., steel rein.-con., incl. heating, lighting, plumbing, elevator, etc., 55th St. $125,000. Work will be done by separate contracts. H. K. Ferguson, 4900 Euclid Ave., archt. and engr. Amer. Radiator Co., 55th St. and St. Clair Ave., lessee.

O., Portsmouth — PLANT — Selby Shoe Co., altering and constructing 50 x 275 ft. addition with two 50 x 90 ft. wings, concrete, incl. heating, ventilating, lighting, plumbing, sprinkler system, one new elevator and bowling alleys, etc., 7th and Findlay Sts., to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $500,000.

O., St. Bernard—PLANT—St. Bernard Mfg. Co., 1 story 105 x 233 ft. with 20 x 45 ft. mezzanine, plant with foundry and 2 story, 40 x 63 ft. cupola section, also 1 story, 46 x 192 ft. storage section, and 2 story and basement, 16 x 34 ft. office building, steel, concrete and brick, incl. heating, lighting, elevators, etc., to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland. Archts. est. $90,000.

Ind., Lawrenceville — REPAIR SHOP — Ind, Refining Co. will build 1 story, 40 x 500 ft., concrete, brick and steel repair shop, by day labor. $100,000. Private plans.

Ill., Chicago — CANDY FACTORY — A. Epstein, archt., 2001 West Pershing Rd., general contract 1 story, 108 x 185 ft., brick, 3342 Iron St., to Stresenreuter Bros., 3020 South Halsted St., for Central Mfg. Dist., 38 South Dearborn St. Archts. est. $70,000. Noted Aug. 19.

Ill., Chicago — FACTORY — Lockwood Green Co., archts., 400 North Michigan Ave., masonry and carpentry contract 1 story, 88 x 99 ft., brick, 3052-58 Carroll Ave., to E. W. Sproul Co., 2001 West 39th St., for Egyptian Lacquer Mfg. Co., 18 South Clinton St. Archts. est. $50,000.

Ill., East St. Louis—IRON FOUNDRY—Southern Malleable Iron Co., 21st St. and Bond Ave., rebuilding 1 story, concrete and steel foundry, 21st St. and Bond Ave., to St. Louis Structural Steel Co., Syndicate Trust Bldg., St. Louis, Mo.

Ill., West Ottawa (Ottawa P. O.)—FURNACE—Natl. Plate Glass Co., 1 story, 75 x 100 ft., concrete and brick addition, to W. Swindell & Bros., Aspinwall, Pa. Archts. est. $200,000.

Wis., Cedarburg — COLD STORAGE — Fromm Bros., Nieman & Co., J. F. Nieman, mgr., will build 2 story and basement, 80 x 215 ft., brick and concrete, plain foundation, by day labor. $100,000. Private plans.

Wis., Manawa—FEED MILL—O. Esche will build 2 story and basement, 60 x 60 ft., rein.-con. and brick mill, by day labor. Private plans.

Wis., Muscoda — FACTORY — Muscoda Mfg. Co. will build 1 story, 62 x 200 ft., brick and timber addition, plain foundation, by day labor. $40,000.

Wis., West Bend — FACTORY — West Bend Aluminum Co., 1 and 3 story, 98 x 192 ft., brick and concrete addition, plain foundation, to W. F. Tubesing Co., 373 Bway., Milwaukee.

Minn., Minneapolis—MANUFACTURING PLANT—Minneapolis Heat Regulator Co., B. L. Boalt, secy., 2753-4th Ave. S., general contract, 5 or 6 story, 80 x 150 ft., rein.-con. and brick addition, incl. heating, etc., to Pike & Cook, 416 South 5th St. Archts. total est. approximately $200,000.

Mo., Kansas City—CASKET FACTORY—Missouri Casket Co., 2106 East 9th St., 3 story, 45 x 120 ft., rein.-con. and brick, here, to Collins Bros., 705 Davidson Bldg. Archts. est. $65,000. Noted Aug. 5.

Mo., St. Louis — AUTO SERVICE — Vesper Buick Auto Co., Grand and Lindell Blvds., 2 story and part basement, 150 x 250 ft., rein.-con. addition, 3900 Block West Pine Blvd., to William H. Smith-Nelson Cunliff Co., 107 North 7th St. Archts. est. $200,000.

Tex., Orange—COTTON GIN—D. Nelson, 8 stand 80 saw capacity cotton gin, to Orange Car & Steel Co., Orange, approximately $40,000. Noted Sept. 2.

Calif., Inglewood—FURNITURE PLANT—Kroehler Mfg. Co., 5111 Santa Fe Ave., Los Angeles, 3 story and basement, 170 x 200 ft., rein.-con., incl. sprinkler system, and 2 elevators, here, to Winter Constr. Co., 2404 West 7th St., Los Angeles, approximately $250,000.

Calif., Los Angeles — FACTORY — Los Angeles Casing Co., 3032 East Vernon Ave., 1 and 2 story and basement, 120 x 145 ft., concrete, brick and steel, 2600 East 25th St., to W. D. Lee, 709 Textile Center Bldg., $40,000.

Buildings—Educational, Religious

Proposed Work

Mass., Auburn—SCHOOL—Town, School Bd. having sketches made by M. W. Maloney, 23 Pearl St., Springfield, 2 story and basement, brick and stone school. $150,000.

Mass., Duxbury — DORMITORY and CHURCH — Fathers of Divine Word, A. Hullin, pastor, having plans prepared by E. T. P. Graham, 171 Newbury St., Boston, 3 story and basement, brick and steel dormitory and church. $150,000.

Mass., Williamstown—FRATERNITY—Phi Gamma Delta, soon takes bids fraternity house. A. Busselle, 347 Madison Ave., New York City, archt.

R. I., East Providence—HIGH SCHOOL—Town, School, Com., having preliminary plans prepared by W. R. Walker & Son, 49 Weybosset St., Providence, Junior High School, 2 story and basement, brick and stone. To exceed $150,000.

Conn., Lakeville — SCHOOLS — Hotchiss School for Boys, plans school buildings. $350,000. C. Gilbert, 744 Madison Ave., New York City, archt.

N. Y., Babylon—HIGH SCHOOL—Bd. Educ. soon takes bids 3 story, brick, steel and stone, plain foundation. $250,000. Tooker & Marsh, 101 Park Ave., New York City, Archts. Noted Feb. 4.

N. Y., Forestville—HIGH SCHOOL—Bd. Educ., plans high school. $150,000.

Pa., Johnstown—SCHOOLS—Bd. Educ., W. C. Wehn, secy., having plans prepared by J. E. Adams, Nemo Bldg., Moxham, Woodvale and Eighth Ward Schools, each 3 story and basement, approximately 110 x 130 ft., rein.-con., brick and steel, here. $400,000.

Pa., Phila.—CHURCH—Corpus Christi Roman Catholic Church, T. J. Kane, pastor, Allegheny and 29th Sts., having plans prepared by F. F. Durang, 1220 Locust St., 1 story and basement, 70 x 150 ft., stone, plain foundation, here.

La., Boyce—SCHOOL—Rapides Parish School Bd., W. J. Avery, supt., Alexandria, takes bids in fall, 3 story, brick and concrete grade and high school. $225,000. Favrot & Liveraudais, Ltd., Hibernia Bank Bldg., New Orleans, archts.

O., Oberlin—CHURCH—United Church Congregation, J. L. Lobinger, pastor, having preliminary plans prepared by S. S. Schneider, 809 Union Bldg., Cleveland, 1500 seating capacity, brick and stone addition. $150,000.

O., Talmadge — HIGH SCHOOL — Talmadge Twp. plans high school. $150,000 bond election in November for same.

O., Versailles—SCHOOL—Bd. Educ. plans election Nov. 2, $165,000 bonds, brick and concrete school. Engineer and architect not selected.

Ill., Chicago — CHURCH — Mundie & Jensen, archts., 39 South La Salle St., prepared plans and take bids about Oct. 5, 1 story 70 x 125 ft., brick and stone addition, Logan Blvd. and North Francisco Ave., for Episcopal Church of the Advent Sameas.

Ill., Park Ridge — SCHOOL—Bd. Educ. Dist. 64, C. E. Lang, pres., 500 Cumberland Ave., having preliminary plans prepared 3 brick and concrete schools. $1,500,000. Engineer and architect not selected.

Wis., Madison — MEMORIAL UNION — J. P. Phillips, bus. mgr. University of Wisconsin, soon lets contract 2 story and basement, 140 x 240 ft., rein.-con., steel, stone and tile, plain foundation, here. $750,000. A. Peabody, State House, archt.

Minn., Rochester—HOME and CHAPEL—Sisters of St. Francis having plans prepared by C. H. Johnson, 715 Capital Bank Bldg., St. Paul, probably 4 story and basement, rein.-con., brick and stone, incl. steam heating, etc. $300,000.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., R. M. Milligan, comr., soon takes bids 2 story and basement, rein.-con., brick and stone, incl. plumbing, heating and ventilating systems. $260,000.

Wash., Longview—SCHOOLS—Bd. Educ. plans high school. $300,000, portion of 1927 building program of $1,000,000.

Ore., Portland — GYMNASIUM — School Bd., 7th and Clackamas Sts., having plans prepared by Knighton & Howell, U. S. Bank Bldg., and takes bids after Jan. 1, high school gymnasium, 38th and Thompson Sts. $260,000.

Que., Montreal — COLLEGE—Governors of Loyola College, Sherbrooke St., Notre Dame de Grace, soon takes bids 2 story addition, and constructing 7 story, 30 x 40 ft. tower. $200,000.

Bids Desired

Mass., Boston — SCHOOL — Oct. 1, by Schoolhouse Dept., City Hall, Continuation School, Boys Unit, 6 story and basement, irregular shaped, brick and limestone, plain foundation, Warrenton St. $600,000. J. Driscoll, 6 Beacon St., archt. Noted July 29.

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Buildings—Educational, Religious (Cont.)

Mass., Worcester — SCHOOL — Sept. 30, by Pub. Buildings Dept., City Hall, 2 story and basement, brick and stone, Nelson Pl. $150,000. J. Rustigian, 16 Norwich St., archt.

Conn., Lakeville — SCHOOL — Hotchkiss School, taking bids, brick, stone and steel, new buildings, Hotchkiss Preparatory School. $300,000. C. Gilbert, 744 Madison Ave., New York City, archt.

Conn., Stamford—HIGH SCHOOL—Oct. 25, by City, 2 story and basement high school. $1,000,000. Knappe & Morris, 171 Madison Ave., New York City, archts. Noted May 13.

Pa., Bloomsburg — HIGH SCHOOL — Sept. 27, by Directors of School Dist., R. A. McCachran, secy., completing Junior and Senior high school, 1st and Center Sts. Ritter & Shay, Packard Bldg., Phila., archts.

Pa., Carnegie—SCHOOL—Oct. 1, by A. Pyzdrowski, archt., 3410 Fleetwood St., Pittsburgh, 3 story and basement, 64 x 113 ft., brick and steel parochial school, here, for Immaculate Roman Catholic Church. $150,000.

West Va., Newell—SCHOOL—Oct. 19, by Bd. Educ. 1 story and basement, concrete and brick school. Peterson & Clark, Steubenville, O., archts.

O., Columbus—HIGH SCHOOL—Oct. 11 (extended date), by E. L. McCune, clk. Bd. Educ., Junior High School, 3 story and basement, 150 x 180 ft., brick and concrete, Dresden Ave. $450,000. H. D. Smith, 207 East State St., archt.

Mich., Adrian—SCHOOLS—Oct. 1 (extended date), by T. C. Kennedy, secy., c/o Van Camp Packing Co., Ardian, three 2 story and basement, rein.-con., brick and steel, plain foundation, incl. steam heating system, for Bd. Educ. $150,000 each. Noted Sept. 16.

Mich., Battle Creek—HIGH SCHOOL—Sept. 30, by Battle Creek Pub. Schools, W. G. Coburn, supt., South Side Junior High School, 2 story and basement, 240 x 260 ft., brick and stone. $500,000. J. D. Chubb, 109 North Dearborn, Chicago, Ill., archt. L. J. Sarvis, 65 West Main St., associated archt.

Calif., San Francisco—SCHOOL—Sept. 29, by Bd. Pub. Wks., fireproof additions to Madison School, Clay St., $150,000; also school, Oak, Page, and Webster Sts., $300,000 or more, both City and San Francisco Co.

Calif., San Mateo — HIGH SCHOOL — Sept. 30, by Trustees of San Mateo, Union High School Dist., 2 story, brick and concrete industrial and applied arts, also academic buildings. $150,000 or more. Norberg Bros., 407 Occidental Ave., Burlingame, archt.

Bids Received

O., Berea—HIGH SCHOOL—Bd. Educ., L. A. Fowles, clk., Sept. 16, 3 story and basement, brick, steel and rein.-con., incl. steam heating, from R. S. Ursprung, Berea, $502,000. Noted Aug. 26.

Ind., Indianapolis — SCHOOL — School Comrs., 150 North Meridian St., Grade School 42, rein.-con., brick and steel, from Service Constr. Co., Castle Hall Bldg., $178,200. Noted Aug. 26.

Mich., Detroit—SCHOOL—C. A. Gadd, bus. mgr. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation, Stockton Ave., from F. N. Cooper, 10227 Gratiot Ave., $122,797; steam heating system, from Drake Avery Co., 210 State St., $41,256. Noted Sept. 2.

Mich., Detroit—SCHOOL—Bd. Educ., 1354 Broadway Ave., 2 story and basement, 75 x 102 ft., and 86 x 201 ft., rein.-con., brick and steel, plain foundation, Bremen Ave., from Corrick Bros., 507 Owen Bldg., $184,974; and steam heating system, from Drake Avery Co., 210 State St., $44,210. Noted Sept. 2.

Contracts Awarded

Mass., Brighton (Boston P. O.)—SCHOOL—City, Schoolhouse Dept., Boston, 2 story and basement, brick and stone, Strathmore, here, to Phandor Co., 18 Tremont St., Boston. Archts. est. $150,000. Noted Sept. 9.

Mass., Webster — HIGH SCHOOL and OFFICE—Town, J. J. Love, chn. building com., Junior High School and Office, 3 story and basement, brick and stone, plain foundation, Negus and Church Sts., to Keefe Bros. Co., 98 Front St., Worcester, $536,968; heating and ventilating, to J. G. Lamotte & Son, 727 Waldo St., $51,700. Noted Sept. 16.

Mass., Worcester—CHURCH—Church of the Holy Angel, J. M. O'Connell, pastor, 1 story and basement, brick and stone, Main St., to Keefe Bros. Co., 98 Front St. Archts. est. $150,000. Noted Sept. 2.

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Conn., Darien—HIGH SCHOOL—Town School Bd., 2 story and basement, brick and steel, Post Rd., to Hewlett Co., 884 Main St., Bridgeport, $231,890. Noted Sept. 2.

Md., Baltimore — HIGH SCHOOL — Bd. Awards, 3 story and basement, irregular shaped, rein.-con., brick and steel, terra cotta, plain foundation, incl. incinerator, freight elevator, heating and ventilating system, Gwynns Falls Parkway and Pulaski St., to P. C. Streett Eng. Co., 404 St. Paul St., $1,196,000. Noted Sept. 16.

Miss., Cleveland — DORMITORY — Mississippi Delta State Teachers College, general contract 2 story, 40 x 120 ft., concrete and brick, to Oden & Glenn, Hattiesburg, $123,800. Noted Mar. 4.

O., Cincinnati—SCHOOL—St. Joseph of Nazareth School, Liberty and Elm Sts., 3 story and basement, rein.-con. and brick, plain foundation, Elm St., to D. Mienken & Sons, Barnard St., $100,000.

O., Dayton—SCHOOL—Sisters of Notre Dame, South Ludlow St., 2 and 3 story, 212 x 320 ft., rein.-con. and brick, plain foundation, Main and Forest Sts., to Danis-Hunt Constr. Co., 1st and Webb Sts., $550,000. Noted Aug. 19.

Ill., Chicago — CHURCH — J. W. McCarthy, archt., 139 North Clark St., general contract equivalent to 7 story, 170 x 235 ft., Bedford stone, steam heat, etc., to F. Burke & Son, 35 South Dearborn St., for St. Philip Neri Church, W. J. Kinsella, pastor, 2126 East 72nd St. Archts. est. $550,000.

Ill., Chicago—SCHOOLS—Bd. Educ., 650 South Clark St., J. E. Byrnes, bus. mgr., general contract four 2 story and basement, 72 x 386 ft., brick and stone schools, one West 66th St. and Seeley Ave., to Van Sickle-Hilfer Co., 530 North Blvd., Oak Park, $324,990, one West 51st St. and Linder Ave., to Michuda Bros., 10748 South Michigan Ave., $290,475; one Kilbourn Ave. and George St., and other Newcastle and Diversey Sts., to A. and E. Anderson Co., 19 South La Salle St., $289,686 and $288,486 respectively. Grand total $1,193,637 Noted June 10, July 22 and Aug. 26.

Ill., Galesburg—CHURCH and PARISH HOUSE—First Lutheran Congregation, C. E. Bergston, pastor, 136 North Seminary St., 2 story and basement, 51 x 132 ft., rein.-con., brick and stone church, and 48 x 64 ft. 32 x 74 ft., parish house, Seminary and Water Sts., to Galesburg Constr. Co., Galesburg. Archts. ets. $240,000.

Ill., Morgan Park (Sta. Chicago) — CHURCH—Morgan Park Methodist Episcopal Church, general contract 3 story, 150 x 170 ft., brick and stone addition, 110th Pl. and Longwood Dr., to Strandberg Bros., 608 South Dearborn St. Archts. est. $400,000.

Minn., Rochester—NURSES HOME—St. Marys Hospital, Sister Mary Joseph, general contract 3 story and basement, rein.-con., brick and stone, incl. heating, etc., 11th Ave. and 2nd St. W., to Heffron & Fitzgerald, Rochester, cost plus percentage basis. Archts. total ets. $300,000. Noted July 8

Ore., Hood River — HIGH SCHOOL — School Bd., general contract 2 and 3 story, 120 x 238 ft., rein.-con., brick and tile, to Anderson Constr. Co., 687 East 69th St., N., Portland $132,789. Noted May 27.

Ore., Portland—SCHOOL—School Dist., 8th and Clackamas Sts., Woodlawn Grade School, 2 story, 113 x 298 ft., rein.-con. and brick, Union Ave., to Waale & Shauck, Henry Bldg., $215,300.

Federal Government Work

Proposed Work

O., Dayton—Boiler House—Constructing Quartermaster, Wright Field, rejected bids Sept. 9, complete boiler house, etc. at Wright Field. Noted Aug. 19.

Tex., Galveston — Remodeling — Treas. Dept., at office J. A. Wetmore, Supervising Archt., making surveys remodeling federal buildings, incl. Custom House, Post office and Federal Offices. $600,000.

Bids Desired

N. Y., Olean—Remodeling—Oct. 8, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here; adv. E. N.-R. Sept. 23.

Pa., McKeesport—Remodeling—Oct. 5, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office here.

Va., Quantico—Dredging—Spec. 5273—Sept. 29, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Marine Barracks, here. Former bids rejected. Noted Sept. 16.

S. C., Charleston — Breakwater—Oct. 1 by Treas. Dept., at office Supervising Archt., Wash., D. C., breakwater at Quarantine Station, here.

Fla., St. Augustine — Remodeling — Oct. 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling and enlarging U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Sept. 23.

O., Dayton — Sewer — Sept. 28, at office Constructing Quartermaster, Wright Field, sanitary sewerage system, at Wright Field.

O., Zanesville — Remodeling — Oct. 4, by Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here.

Minn., Fort Snelling—Sewer—Sept. 28, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., new sewer line at U. S. Veterans Hospital, here. L. H. Tripp, ch. constr. bureau.

Bids Received

Mass., Northampton—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 10, remodeling and enlarging U. S. Post Office, here, from C. M. Holmes, Somerville, $8,497. Noted Aug. 26.

Mass., Rutland Heights—Roads—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., Sept. 14, road work, at U. S. Veterans Hospital, here, from P. J. Keating, Fitchburg, $11,971. Noted Aug. 26.

N. Y., Syracuse—Excavating, etc.—Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 13, excavating and foundation walls for U. S. Post Office, here, from J. H. Gallup Co., Inc., Merchants Bank Bldg., $25,495. Noted Sept. 2.

N. J., Lake Denmark (mail Hibernia)—Buildings—Bureau Yards & Docks, Navy Dept., Wash., D. C., Sept. 13, temporary buildings at Naval Ammunition Depot, here, from Regan Constr. Co., 2 East Lexington St., Baltimore, Md. $35,133.

Md., Baltimore—Fire Protection System—Treas. Dept., at office Supervising Archt., Wash., D. C. Sept. 14, fire protection system, at U. S. Quarantine Station, here, from Pittsburgh-Des Moines Steel Co., Curry Bldg., Pittsburgh, Pa., $14,870. Noted Aug. 26.

N. C., Asheville — Remodeling — Treas. Dept., at office Supervising Archt., Wash., D. C., Sept. 13, remodeling and enlarging U. S. Post Office, here, from Agostini Bros., Arcade Bldg., Norfolk, Va., $7,326. Noted Aug. 26.

Mo., St. Louis—Barges—U. S. Engineer Office, 428 Custom House, 6 steel barges, here, from Amer. Bridge Co., Ambridge, Pa., $93,780 f.o.b. plant. Noted Aug. 26.

P. I., Canacao—Quarters—Spec. 5157—Bureau Yards & Docks, Navy Dept., Wash., D. C., Sept. 15, junior officers quarters and nurses quarters, at Naval Station, here, from J. E. Grant, 129 Calle Padre Foura, Manila, $110,000. Noted July 1.

Contracts Awarded

N. Y., Northport — Hospital — U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., heating and plumbing for U. S. Veterans Hospital, here, to Virginia Eng. Co., Newport News, Va., $273,000 and $285,000 respectively. Former contract rescinded. Noted Aug. 19.

Miss., Aberdeen—Repairs—Treas. Dept., at office Supervising Archt., Wash., D. C., repairs to U. S. Post Office, here, to Pearson & Regnell, 5816 Bway., Chicago, Ill., $3,245.

Tenn., Memphis—Current Retards—U. S. Engineer Office, 700 Postal Telegraph Bldg., Kansas City, Mo., current retards in Mississippi River to Cow Island Bend, here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $64,750.

Montana — Dam — Bureau Reclamation, Fairfield, constructing Gibson Dam, Sun River Project, to Utah Constr. Co., Eccles Bldg., Ogden, Utah, $1,566,240. Noted Sept. 9.

Mo., Atherton—Current Retards—U. S. Engineer's Office, 700 Postal Telegraph Bldg., Kansas City, current retards in Missouri River, here, to Woods Bros. Constr. Co., 132 South 13th St., Lincoln, Neb., $31,800.

Ore., Eugene—Remodeling—Treas. Dept., at office Supervising Archt., Wash., D. C., remodeling U. S. Post Office, here, to A. Lombard, Eugene, $14,725. Noted Sept. 16.

Calif., La Jolla—Towers—Spec. 5262—Bureau Yards & Docks, Navy Dept., Wash., D. C., steel beacon towers, north of here to Lipscomb & Dutton, West Santa Fe Wharf, San Diego, $4,900. Noted Sept. 16.

Unclassified

Proposed Work

Train Sheds—Charlotte, N. C.—Southern Ry. Co., B. Herman ch. engr., 1300 Penn Ave., Wash., D. C., plans 1,182 ft. train sheds, here. $50,000.

Subway—Cincinnati, O.—See "Streets and Roads."

Swimming Pool—Dayton, O.—See "Buildings Commercial."

Street Lighting System—Grand Island, Neb.—See "Buildings-Industrial."

Garbage Unloading Dock—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, takes bids in fall, garbage unloading dock rein.-con., on Mississippi River, foot of Chouteau Ave. $53,000. Private plans.

Street Lighting System—St. Louis, Mo.—Bd. Pub. Serv., 208 City Hall, takes bids in December, approximately 3,400 concrete street lighting units complete with lanterns, cables, sub-stations, etc. in district bounded by Grand Blvd., Newstead, Chouteau and Natural Bridge Aves.; also 850 units in district between Angelica, Adelaide and College Aves. and Mississippi River and North Florissant Ave. $1,350,000. J. Pritchard, dir. Noted July 15.

Subway—St. Louis, Mo.—C. E. Smith, consult. engr. has submitted complete survey plan on subways, to Bd. Aldermen. Initial work $40,000,000; second phase $72,000,000; and complete project $100,000,000.

Gas Pipe Line—Texas—Benham Constr. Co., engrs., Amarillo, takes bids about Sept. 20, 70 mi. natural gas pipe line from Floydada to Amarillo. $150,000.

Gas Pipe Line—Lubbock, Tex.—Texas Gas Co., c/o W. W. Graves, plans 40 mi. natural gas mains supplying gas to number of towns enroute. $150,000. Private plans.

Transmission Line — Oklahoma — See "Contract Awarded."

Oil Pipe Line—Oklahoma and Texas—Prairie Pipe Line Co., Ringling, Okla., making plans 207 mi. 8 in. welded oil pipe line from Ringling, Okla. to Kings Mills, Tex. $4,000,000. Private plans.

Package Freighters—Montreal, Que.—Canada Steamships Lines, (owners of Midland Shipbuilding Co.), Victoria Sq., plans 2 new package freighters. $600,000 each.

Coal Handling Plant—Belleville, Ont.—Canadian Natl. Ry., T. T. Irving, engr., New Union Sta., Toronto, plans about 100 ton capacity concrete coal handling plant, here. $25,000.

Swimming Pool—Kitchener, Ont.—City Council plans concrete and rein.-con. outdoor swimming pool. $25,000, S. Shupe, City Hall, engr.

Lighting System—Point Grey, B. C.—Municipality, taking bids 70,000 lin.ft. street lighting (underground system) in various streets. $86,000, J. W. Southin, 5851 West Boulevard, Vancouver, engr.

Bids Desired

Elevated Line—Brooklyn, N. Y.—Oct. 8, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, constructing elevated line connecting 14th Street Route, with Bway. elevated system, of Rapid Transit R. R., here.

Fire Alarm System—Brooklyn, N. Y.—Sept. 28, by J. J. Dorman, fire comr., Municipal Bldg., New York City, portion underground fire alarm system, Brooklyn Boro.

Converters, etc.—New York, N. Y.—Sept. 24, by C. S. White, purch. agt. New York Central R.R. Co., 466 Lexington Ave., synchronous converters, air blast transformers, etc.

Foundation, etc.—Columbus, O.—Oct. 11, by E. L. McCune, clk. Bd. Educ., 207 East State St., foundation and excavation 3 story and basement, 200 x 250 ft. school, Olive and Powell Sts. $75,000. H. D. Smith, 207 East State St., archt.

Telephone Extension—Van Buren, Ark.—See "Contracts Awarded."

Underground Conduits—Montreal, Que.—Oct. 2, by City Executive Com., underground conduits, manholes, etc. $150,000.

Bids Received

Station, etc.—Boston, Mass.—City, Transit Dept., 1 Beacon St., Columbia Station, entrance, exit building and adjuncts, Sect. 1, Dorchester Rapid Transit, from J. P. Foley, 80 Boylston St. $43,929.

Contracts Awarded

Foundation—Bangor, Me.—St. Johns Roman Catholic Church concrete foundation 3 story and basement, 150 x 300 ft. school York St., to McPherson & Barrows, 26 Hodgdon St. Archts. est. $25,000. Noted Aug. 5, under "Buildings-Educational, Religious."

Fill—Corona (Ind. sta. Flushing), **N. Y.**—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, fill in Corona Yard, Route 52, Queens Boro, to Welsh Bros. Contg. Co., 14 Queens St., Long Island City, $12,420. Noted Sept. 16.

Tracks, etc.—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., installing tracks, special work and bumping posts in portion, Lenox Ave. and 148th St. Yards, to McElroy & Kerwin, Inc., 187 Joralemon St., Brooklyn. $58,153. Noted Sept. 16.

Subway—Phila., Pa.—H. E. Ehlers dir. Dept. City Transit, 1211 Chestnut St., laying track in Broad St. Subway, Fern Rock Terminal Yard and shops in yard, Contr. 126, to F. T. Boas, 201 North Broad St., $593,858. Noted Sept. 16.

Bowling Alleys—Dayton, O.—See "Buildings Commercial."

Grain Elevator — West Jefferson, O. — West Jefferson Elevator Co., F. P. Weber, pres., replacing elevator recently destroyed by fire, to Reliance Constr. Co., 807 Bd. of Trade Bldg., Indianapolis, Ind., $30,000.

Turbine — Boonville, Ind. — Boonville Electric Light & Power Co., K. H. Weyerbacker, genl. mgr. new 2,000 kw. general electric turbine, to General Electric Co., Oliver Bldg., Pittsburgh, Pa. $75,000.

Grain Elevator—Green Bay, Wis.—Chicago & Northwestern Ry. Co., West Jackson and Franklin Sts., Chicago, Ill., 450,000 bu. grain elevator, incl. 10 circular tanks, receiving pits, etc., to James Stewart & Co., 343 South Dearborn St., Chicago, Ill.

Grain Elevator — Milwaukee, Wis. — Froedtert & Malting Co., 33rd Ave. and Burnham St., 500,000 bu. grain elevator, rein.-con., here, to Stevens Eng. Co., Landreth Bldg., St. Louis, Mo. Engrs. est. to exceed $25,000.

Golf Course, etc.—St. Louis Mo.—Midland Valley Country Club, c/o C. M. Talbert, chn. building and grounds, Pierce Bldg., general contract, renovating 12 hole golf course, new parkway, remodeling and enlarging club house, 1 story and mezzanine caddy and locker building, etc., to Dickie Constr. Co., Syndicate Trust Bldg., St. Louis. Engrs. est. $200,000. Noted Apr. 22.

Foundation and Excavation — St. Louis, Mo. — See "Buildings—Commercial."

Telephone Extension—Van Buren, Ark.—Southwestern Bell Telephone Co., C. M. Henderson, Ft. Smith, dist. mgr., will build 20,000 ft. aerial cable placing about 180 new poles, 1,600 ft. underground cable, etc., here, by own forces. $25,000.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., Oklahoma City, will build 35 mi. 33,000 v. transmission line from Harrah to Chandler, by day labor. $40,000. Byllesby Eng. Co., South La Salle St., Chicago, Ill., engr.

Materials

Bids Desired

Street Sign Materials—Long Island City, N. Y.—Sept. 27, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., street sign materials to Bureau Highways.

Pipe—New York, N. Y.—Sept. 29, by P. J. Dooling, comr. Purchase, Municipal Bldg., pipe, pipe fittings, etc. to Depts. Plant & Structures, Water Supply, Gas & Electricity and Parks, Bronx Boro.

Steel, Bar Shapes, etc.—Phila., Pa.—Sept. 29, by Montgomery Smith, purch. agt. Pennsylvania R.R. Co., at 17th and Filbert Sts., steel bar shapes and plates, Contr. 43; car driving trailing and engine truck axles, etc., Contr. 44; steel rope, lime coated and basic wire, etc., Contr. 45 and steel sheets, Contr. 46. A. C. Shand, Broad St. Sta., ch. engr. for railroad.

Contracts Awarded

Portland Cement—St. Paul, Minn.—State Hy. Dept., 26,000 bbl. Portland cement, to Universal Portland Cement Co., 836 Security Bldg., Minneapolis at $2.67 per bbl.; and 21,000 bbl., to Interstate Lumber Co., Stillwater, at $2.67 per bbl. Noted Aug. 19.

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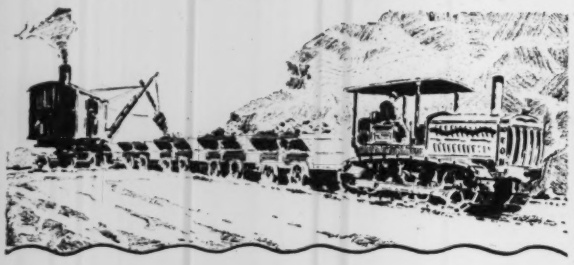

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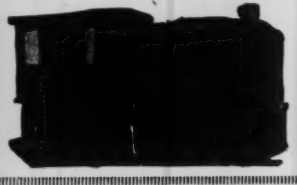

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